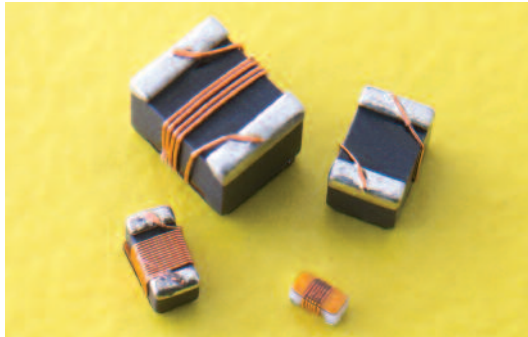


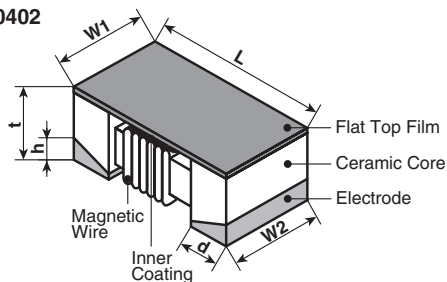


## features

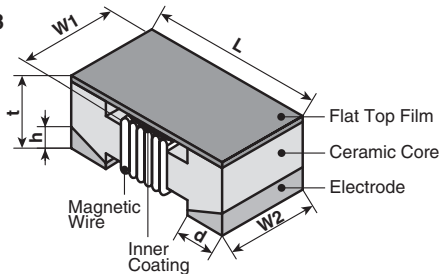
- Surface mount
- Operating temperature: -40°C ~ +125°C
- Flat top suitable for high speed pick-and-place components
- Excellent high frequency applications
- High Q factors and self-resonant frequency values
- Products with lead-free terminations meet EU RoHS requirements
- AEC-Q200 Tested

## dimensions and construction

0402



0603, 0805, 1008



| Size Code | Dimensions inches (mm) |                                         |                         |                                                                             |                          |                         |
|-----------|------------------------|-----------------------------------------|-------------------------|-----------------------------------------------------------------------------|--------------------------|-------------------------|
|           | L                      | W1                                      | W2                      | t                                                                           | h                        | d                       |
| KQT0402   | .039±.004<br>(1.0±0.1) | .02±.004<br>(0.5±0.1)                   | .02±.004<br>(0.5±0.1)   | .022±.004<br>(0.55±0.1)                                                     | .006±.004<br>(0.15±0.1)  | .01±.004<br>(0.25±0.1)  |
| KQ0603    | .063±.004<br>(1.6±0.1) | .039±.004<br>(1.0±0.1)                  | .033±.004<br>(0.85±0.1) | .035±.004<br>(0.9±0.1)                                                      | .01±.006<br>(0.25±0.15)  | .014±.004<br>(0.35±0.1) |
| KQ0805    | .079±.008<br>(2.0±0.2) | .059±.008<br>(1.5±0.2)<br>(3.3nH-390nH) | .053±.004<br>(1.35±0.1) | .051±.008<br>(1.3±0.2)                                                      | .016±.006<br>(0.40±0.15) | .018±.004<br>(0.45±0.1) |
|           |                        | .063±.008<br>(1.6±0.2)<br>(470nH-820nH) |                         |                                                                             |                          |                         |
| KQ1008    | .098±.008<br>(2.5±0.2) | .087±.008<br>(2.2±0.2)                  | .079±.004<br>(2.0±0.1)  | .071 <sup>+.008</sup> <sub>-0</sub><br>(1.8 <sup>+.02</sup> <sub>-0</sub> ) | .018±.006<br>(0.45±0.15) | .018±.004<br>(0.45±0.1) |

## ordering information

| KQ        | 1008                         | T                    | TE                                                                                                                                                                         | 10N                                                | J                                                                          |
|-----------|------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------|
| Type      | Size Code                    | Termination Material | Packaging                                                                                                                                                                  | Nominal Inductance                                 | Tolerance                                                                  |
| KQ<br>KQT | 0402<br>0603<br>0805<br>1008 | T: Sn                | TP: 2mm pitch paper<br>(0402: 10,000 pieces/reel)<br>TD: 7" paper tape<br>(0402: 2,000 pieces/reel)<br>TE: 7" embossed plastic<br>(0603, 0805, 1008:<br>2,000 pieces/reel) | 3 digits:<br>10N: 10nH<br>R10: 0.1μH<br>1R0: 1.0μH | B: ±0.1nH<br>C: ±0.2nH<br>G: ±2%<br>H: ±3%<br>J: ±5%<br>K: ±10%<br>M: ±20% |

For further information on packaging, please refer to Appendix A.

## applications and ratings

| Part Designation | Marking | Nominal Inductance (nH) | L Measuring Frequency (MHz) | Inductance Tolerance   | Q Quality Factor Minimum | Q Measuring Frequency (MHz) | Self Resonant Frequency Minimum (MHz) | DC Resistance Maximum (Ω) | Allowable DC Current Maximum (mA) |
|------------------|---------|-------------------------|-----------------------------|------------------------|--------------------------|-----------------------------|---------------------------------------|---------------------------|-----------------------------------|
| KQT0402T**1N0*   | —       | 1.0                     | 250                         | B: ±0.1nH<br>C: ±0.2nH | 16                       | 250                         | 11000                                 | 0.045                     | 1360                              |
| KQT0402T**1N9*   |         | 1.9                     |                             |                        |                          |                             | 9600                                  | 0.070                     | 1040                              |
| KQT0402T**2N0*   |         | 2.0                     |                             |                        | 19                       |                             |                                       |                           |                                   |
| KQT0402T**2N2*   |         | 2.2                     |                             |                        |                          |                             | 18                                    | 0.120                     | 700                               |
| KQT0402T**2N4*   |         | 2.4                     |                             |                        | 17                       |                             |                                       |                           |                                   |
| KQT0402T**2N7*   |         | 2.7                     |                             | 19                     |                          |                             | 6000                                  | 0.091                     | 800                               |
| KQT0402T**3N3*   |         | 3.3                     |                             |                        | 20                       |                             |                                       |                           |                                   |
| KQT0402T**3N6*   |         | 3.6                     |                             | 22                     |                          |                             | 4800                                  | 0.086                     | 680                               |
| KQT0402T**3N9*   |         | 3.9                     |                             |                        | 20                       |                             |                                       |                           |                                   |
| KQT0402T**4N3*   |         | 4.3                     |                             | 22                     |                          |                             | 4160                                  | 0.104                     | 680                               |
| KQT0402T**4N7*   |         | 4.7                     |                             |                        | 20                       |                             |                                       |                           |                                   |
| KQT0402T**5N1*   |         | 5.1                     |                             | 21                     |                          |                             | 3900                                  | 0.195                     | 480                               |
| KQT0402T**5N6*   |         | 5.6                     |                             |                        | 24                       |                             |                                       |                           |                                   |
| KQT0402T**6N2*   |         | 6.2                     |                             | 25                     |                          |                             | 3450                                  | 0.180                     | 560                               |
| KQT0402T**6N8*   |         | 6.8                     |                             |                        | 25                       |                             |                                       |                           |                                   |
| KQT0402T**7N5*   |         | 7.5                     |                             | 24                     |                          |                             | 3100                                  | 0.200                     | 450                               |
| KQT0402T**8N2*   |         | 8.2                     |                             |                        | 25                       |                             |                                       |                           |                                   |
| KQT0402T**8N7*   |         | 8.7                     |                             | 25                     |                          |                             | 3000                                  | 0.250                     | 340                               |
| KQT0402T**9N0*   |         | 9.0                     |                             |                        | 24                       |                             |                                       |                           |                                   |
| KQT0402T**9N5*   |         | 9.5                     |                             | 24                     |                          |                             | 2720                                  | 0.214                     | 300                               |
| KQT0402T**10N*   |         | 10                      |                             |                        | 25                       |                             |                                       |                           |                                   |
| KQT0402T**11N*   |         | 11                      |                             | 24                     |                          |                             | 2480                                  | 0.298                     | 200                               |
| KQT0402T**12N*   |         | 12                      |                             |                        | 25                       |                             |                                       |                           |                                   |
| KQT0402T**13N*   |         | 13                      |                             | 25                     |                          |                             | 2320                                  | 0.560                     | 130                               |
| KQT0402T**15N*   |         | 15                      |                             |                        | 24                       |                             |                                       |                           |                                   |
| KQT0402T**16N*   |         | 16                      |                             | 25                     |                          |                             | 2240                                  | 0.620                     | 100                               |
| KQT0402T**18N*   |         | 18                      |                             |                        | 20                       |                             |                                       |                           |                                   |
| KQT0402T**19N*   |         | 19                      |                             | 25                     |                          |                             | 2100                                  | 0.830                     | 60                                |
| KQT0402T**20N*   |         | 20                      |                             |                        | 25                       |                             |                                       |                           |                                   |
| KQT0402T**22N*   |         | 22                      |                             | 22                     |                          |                             | 2000                                  | 1.170                     | 40                                |
| KQT0402T**23N*   |         | 23                      |                             |                        | 22                       |                             |                                       |                           |                                   |
| KQT0402T**24N*   |         | 24                      |                             | 22                     |                          |                             | 1800                                  | 1.810                     | 20                                |
| KQT0402T**27N*   |         | 27                      |                             |                        | 22                       |                             |                                       |                           |                                   |
| KQT0402T**30N*   |         | 30                      |                             | 22                     |                          |                             | 1500                                  | 2.320                     | 10                                |
| KQT0402T**33N*   |         | 33                      |                             |                        | 22                       |                             |                                       |                           |                                   |
| KQT0402T**34N*   |         | 34                      |                             | 22                     |                          |                             | 1300                                  | 2.960                     | 6                                 |
| KQT0402T**36N*   |         | 36                      |                             |                        | 22                       |                             |                                       |                           |                                   |
| KQT0402T**39N*   |         | 39                      |                             | 22                     |                          |                             | 1100                                  | 3.600                     | 4                                 |
| KQT0402T**40N*   |         | 40                      |                             |                        | 22                       |                             |                                       |                           |                                   |
| KQT0402T**43N*   |         | 43                      |                             | 22                     |                          |                             | 900                                   | 4.240                     | 2                                 |
| KQT0402T**47N*   |         | 47                      |                             |                        | 22                       |                             |                                       |                           |                                   |
| KQT0402T**51N*   |         | 51                      |                             | 22                     |                          |                             | 700                                   | 4.880                     | 0.5                               |
| KQT0402T**56N*   |         | 56                      |                             |                        | 22                       |                             |                                       |                           |                                   |
| KQT0402T**68N*   |         | 68                      |                             | 22                     |                          |                             | 500                                   | 5.520                     | 0.3                               |
| KQT0402T**82N*   |         | 82                      |                             |                        | 22                       |                             |                                       |                           |                                   |
| KQT0402T**R10*   |         | 100                     |                             | 22                     |                          |                             | 300                                   | 6.160                     | 0.1                               |
| KQT0402T**R12*   |         | 120                     |                             |                        | 22                       |                             |                                       |                           |                                   |
|                  |         | 22                      | 100                         | 6.800                  |                          | 0.02                        |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 50                                    | 7.120                     | 0.01                              |
|                  |         | 22                      | 25                          | 7.440                  |                          | 0.005                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 12.5                                  | 7.760                     | 0.002                             |
|                  |         | 22                      | 6.3                         | 8.080                  |                          | 0.001                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 3.15                                  | 8.400                     | 0.0005                            |
|                  |         | 22                      | 1.57                        | 8.720                  |                          | 0.0002                      |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 0.785                                 | 9.040                     | 0.0001                            |
|                  |         | 22                      | 0.39                        | 9.360                  |                          | 5e-05                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 0.196                                 | 9.680                     | 2e-05                             |
|                  |         | 22                      | 0.098                       | 10.000                 |                          | 1e-05                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 0.049                                 | 10.320                    | 5e-06                             |
|                  |         | 22                      | 0.024                       | 10.640                 |                          | 2e-06                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 0.012                                 | 10.960                    | 1e-06                             |
|                  |         | 22                      | 0.006                       | 11.280                 |                          | 5e-07                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 0.003                                 | 11.600                    | 2e-07                             |
|                  |         | 22                      | 0.0015                      | 11.920                 |                          | 1e-07                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 0.00075                               | 12.240                    | 5e-08                             |
|                  |         | 22                      | 0.000375                    | 12.560                 |                          | 2e-08                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 0.0001875                             | 12.880                    | 1e-08                             |
|                  |         | 22                      | 9.4e-05                     | 13.200                 |                          | 5e-09                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 4.7e-05                               | 13.520                    | 2e-09                             |
|                  |         | 22                      | 2.35e-05                    | 13.840                 |                          | 1e-09                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.17e-05                              | 14.160                    | 5e-10                             |
|                  |         | 22                      | 5.85e-06                    | 14.480                 |                          | 2e-10                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.92e-06                              | 14.800                    | 1e-10                             |
|                  |         | 22                      | 1.46e-06                    | 15.120                 |                          | 5e-11                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 7.3e-07                               | 15.440                    | 2e-11                             |
|                  |         | 22                      | 3.65e-07                    | 15.760                 |                          | 1e-11                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.82e-07                              | 16.080                    | 5e-12                             |
|                  |         | 22                      | 9.1e-08                     | 16.400                 |                          | 2e-12                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 4.55e-08                              | 16.720                    | 1e-12                             |
|                  |         | 22                      | 2.27e-08                    | 17.040                 |                          | 5e-13                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.14e-08                              | 17.360                    | 2e-13                             |
|                  |         | 22                      | 5.7e-09                     | 17.680                 |                          | 1e-13                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.85e-09                              | 18.000                    | 5e-14                             |
|                  |         | 22                      | 1.42e-09                    | 18.320                 |                          | 2e-14                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 7.1e-10                               | 18.640                    | 1e-14                             |
|                  |         | 22                      | 3.55e-10                    | 18.960                 |                          | 5e-15                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.77e-10                              | 19.280                    | 2e-15                             |
|                  |         | 22                      | 8.85e-11                    | 19.600                 |                          | 1e-15                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 4.42e-11                              | 19.920                    | 5e-16                             |
|                  |         | 22                      | 2.21e-11                    | 20.240                 |                          | 2e-16                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.10e-11                              | 20.560                    | 1e-16                             |
|                  |         | 22                      | 5.5e-12                     | 20.880                 |                          | 5e-17                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.75e-12                              | 21.200                    | 2e-17                             |
|                  |         | 22                      | 1.37e-12                    | 21.520                 |                          | 1e-17                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 6.85e-13                              | 21.840                    | 5e-18                             |
|                  |         | 22                      | 3.42e-13                    | 22.160                 |                          | 2e-18                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.71e-13                              | 22.480                    | 1e-18                             |
|                  |         | 22                      | 8.55e-14                    | 22.800                 |                          | 5e-19                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 4.27e-14                              | 23.120                    | 2e-19                             |
|                  |         | 22                      | 2.13e-14                    | 23.440                 |                          | 1e-19                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.07e-14                              | 23.760                    | 5e-20                             |
|                  |         | 22                      | 5.35e-15                    | 24.080                 |                          | 2e-20                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.67e-15                              | 24.400                    | 1e-20                             |
|                  |         | 22                      | 1.34e-15                    | 24.720                 |                          | 5e-21                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 6.7e-16                               | 25.040                    | 2e-21                             |
|                  |         | 22                      | 3.35e-16                    | 25.360                 |                          | 1e-21                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.67e-16                              | 25.680                    | 5e-22                             |
|                  |         | 22                      | 8.35e-17                    | 26.000                 |                          | 2e-22                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 4.17e-17                              | 26.320                    | 1e-22                             |
|                  |         | 22                      | 2.09e-17                    | 26.640                 |                          | 5e-23                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.04e-17                              | 26.960                    | 2e-23                             |
|                  |         | 22                      | 5.2e-18                     | 27.280                 |                          | 1e-23                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.6e-18                               | 27.600                    | 5e-24                             |
|                  |         | 22                      | 1.3e-18                     | 27.920                 |                          | 2e-24                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 6.5e-19                               | 28.240                    | 1e-24                             |
|                  |         | 22                      | 3.25e-19                    | 28.560                 |                          | 5e-25                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.62e-19                              | 28.880                    | 2e-25                             |
|                  |         | 22                      | 8.1e-20                     | 29.200                 |                          | 1e-25                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 4.05e-20                              | 29.520                    | 5e-26                             |
|                  |         | 22                      | 2.02e-20                    | 29.840                 |                          | 2e-26                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.01e-20                              | 30.160                    | 1e-26                             |
|                  |         | 22                      | 5.05e-21                    | 30.480                 |                          | 5e-27                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.52e-21                              | 30.800                    | 2e-27                             |
|                  |         | 22                      | 1.26e-21                    | 31.120                 |                          | 1e-27                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 6.3e-22                               | 31.440                    | 5e-28                             |
|                  |         | 22                      | 3.15e-22                    | 31.760                 |                          | 2e-28                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.57e-22                              | 32.080                    | 1e-28                             |
|                  |         | 22                      | 7.85e-23                    | 32.400                 |                          | 5e-29                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 3.92e-23                              | 32.720                    | 2e-29                             |
|                  |         | 22                      | 1.96e-23                    | 33.040                 |                          | 1e-29                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 9.8e-24                               | 33.360                    | 5e-30                             |
|                  |         | 22                      | 4.9e-24                     | 33.680                 |                          | 2e-30                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.45e-24                              | 34.000                    | 1e-30                             |
|                  |         | 22                      | 1.22e-24                    | 34.320                 |                          | 5e-31                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 6.1e-25                               | 34.640                    | 2e-31                             |
|                  |         | 22                      | 3.05e-25                    | 34.960                 |                          | 1e-31                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.52e-25                              | 35.280                    | 5e-32                             |
|                  |         | 22                      | 7.6e-26                     | 35.600                 |                          | 2e-32                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 3.8e-26                               | 35.920                    | 1e-32                             |
|                  |         | 22                      | 1.9e-26                     | 36.240                 |                          | 5e-33                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 9.5e-27                               | 36.560                    | 2e-33                             |
|                  |         | 22                      | 4.75e-27                    | 36.880                 |                          | 1e-33                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.37e-27                              | 37.200                    | 5e-34                             |
|                  |         | 22                      | 1.18e-27                    | 37.520                 |                          | 2e-34                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 5.9e-28                               | 37.840                    | 1e-34                             |
|                  |         | 22                      | 2.95e-28                    | 38.160                 |                          | 5e-35                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.47e-28                              | 38.480                    | 2e-35                             |
|                  |         | 22                      | 7.35e-29                    | 38.800                 |                          | 1e-35                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 3.67e-29                              | 39.120                    | 5e-36                             |
|                  |         | 22                      | 1.83e-29                    | 39.440                 |                          | 2e-36                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 9.15e-30                              | 39.760                    | 1e-36                             |
|                  |         | 22                      | 4.57e-30                    | 40.080                 |                          | 5e-37                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.28e-30                              | 40.400                    | 2e-37                             |
|                  |         | 22                      | 1.14e-30                    | 40.720                 |                          | 1e-37                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 5.7e-31                               | 41.040                    | 5e-38                             |
|                  |         | 22                      | 2.85e-31                    | 41.360                 |                          | 2e-38                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.42e-31                              | 41.680                    | 1e-38                             |
|                  |         | 22                      | 7.1e-32                     | 42.000                 |                          | 5e-39                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 3.55e-32                              | 42.320                    | 2e-39                             |
|                  |         | 22                      | 1.77e-32                    | 42.640                 |                          | 1e-39                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 8.85e-33                              | 42.960                    | 5e-40                             |
|                  |         | 22                      | 4.42e-33                    | 43.280                 |                          | 2e-40                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.21e-33                              | 43.600                    | 1e-40                             |
|                  |         | 22                      | 1.10e-33                    | 43.920                 |                          | 5e-41                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 5.5e-34                               | 44.240                    | 2e-41                             |
|                  |         | 22                      | 2.75e-34                    | 44.560                 |                          | 1e-41                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.37e-34                              | 44.880                    | 5e-42                             |
|                  |         | 22                      | 6.85e-35                    | 45.200                 |                          | 2e-42                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 3.42e-35                              | 45.520                    | 1e-42                             |
|                  |         | 22                      | 1.71e-35                    | 45.840                 |                          | 5e-43                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 8.55e-36                              | 46.160                    | 2e-43                             |
|                  |         | 22                      | 4.27e-36                    | 46.480                 |                          | 1e-43                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.13e-36                              | 46.800                    | 5e-44                             |
|                  |         | 22                      | 1.07e-36                    | 47.120                 |                          | 2e-44                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 5.35e-37                              | 47.440                    | 1e-44                             |
|                  |         | 22                      | 2.67e-37                    | 47.760                 |                          | 5e-45                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 1.34e-37                              | 48.080                    | 2e-45                             |
|                  |         | 22                      | 6.7e-38                     | 48.400                 |                          | 1e-45                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 3.35e-38                              | 48.720                    | 5e-46                             |
|                  |         | 22                      | 1.67e-38                    | 49.040                 |                          | 2e-46                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 8.35e-39                              | 49.360                    | 1e-46                             |
|                  |         | 22                      | 4.17e-39                    | 49.680                 |                          | 5e-47                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 2.09e-39                              | 50.000                    | 2e-47                             |
|                  |         | 22                      | 1.04e-39                    | 50.320                 |                          | 1e-47                       |                                       |                           |                                   |
|                  |         |                         |                             |                        | 22                       |                             | 5.2e-40                               | 50.640                    | 5e-48</                           |

\* Add tolerancing character (B, C, G, H, J, K, M)

\*\* Add packaging code

applications and ratings (continued)

| Part Designation | Marking | Nominal Inductance (nH) | L Measuring Frequency (MHz) | Inductance Tolerance        | Q Quality Factor Minimum | Q Measuring Frequency (MHz) | Self Resonant Frequency Minimum (MHz) | DC Resistance Maximum (Ω) | Allowable DC Current Maximum (mA) |       |  |  |
|------------------|---------|-------------------------|-----------------------------|-----------------------------|--------------------------|-----------------------------|---------------------------------------|---------------------------|-----------------------------------|-------|--|--|
| KQ0603TTE1N6*    | C       | 1.6                     | 250                         | J: ±5%<br>K: ±10%           | 24                       | 250                         | 12500                                 | 0.03                      | 700                               |       |  |  |
| KQ0603TTE1N8*    | 0       | 1.8                     |                             |                             | 16                       |                             |                                       | 0.045                     |                                   |       |  |  |
| KQ0603TTE3N3*    | X       | 3.3                     |                             |                             | 22                       |                             | 6900                                  | 0.055                     |                                   |       |  |  |
| KQ0603TTE3N6*    | E       | 3.6                     |                             |                             |                          |                             |                                       | 0.063                     |                                   |       |  |  |
| KQ0603TTE3N9*    | 1       | 3.9                     |                             |                             |                          |                             |                                       | 0.08                      |                                   |       |  |  |
| KQ0603TTE4N3*    | F       | 4.3                     |                             |                             | 20                       |                             | 5900                                  | 0.063                     |                                   |       |  |  |
| KQ0603TTE4N7*    | G       | 4.7                     |                             |                             |                          |                             |                                       | 0.116                     |                                   |       |  |  |
| KQ0603TTE5N1*    | Y       | 5.1                     |                             |                             | 27                       |                             | 5800                                  | 0.115                     |                                   |       |  |  |
| KQ0603TTE6N8*    | 2       | 6.8                     |                             |                             |                          |                             |                                       | 0.11                      |                                   |       |  |  |
| KQ0603TTE7N5*    | H       | 7.5                     |                             | G: ±2%<br>J: ±5%<br>K: ±10% | 28                       |                             | 4800                                  | 0.106                     |                                   |       |  |  |
| KQ0603TTE8N2*    | A       | 8.2                     |                             |                             |                          |                             |                                       | 0.12                      |                                   |       |  |  |
| KQ0603TTE8N7*    | J       | 8.7                     |                             |                             | 31                       |                             | 4600                                  | 0.109                     |                                   |       |  |  |
| KQ0603TTE9N5*    | B       | 9.5                     |                             |                             |                          |                             |                                       | 4800                      |                                   | 0.125 |  |  |
| KQ0603TTE10N*    | 3       | 10                      |                             |                             | 33                       |                             |                                       |                           |                                   | 0.13  |  |  |
| KQ0603TTE11N*    | K       | 11                      |                             |                             | 4000                     |                             | 0.086                                 |                           |                                   |       |  |  |
| KQ0603TTE12N*    | 4       | 12                      |                             |                             |                          |                             | 35                                    |                           |                                   | 0.13  |  |  |
| KQ0603TTE15N*    | 5       | 15                      |                             |                             | 3300                     |                             | 0.17                                  |                           |                                   |       |  |  |
| KQ0603TTE16N*    | L       | 16                      |                             |                             |                          |                             | 34                                    |                           |                                   | 0.104 |  |  |
| KQ0603TTE18N*    | 6       | 18                      |                             |                             | 35                       |                             | 3100                                  | 0.17                      |                                   |       |  |  |
| KQ0603TTE22N*    | 7       | 22                      |                             |                             | 38                       |                             | 3000                                  | 0.19                      |                                   |       |  |  |
| KQ0603TTE23N*    | S       | 23                      |                             |                             | 37                       |                             | 2700                                  | 0.15                      |                                   |       |  |  |
| KQ0603TTE24N*    | M       | 24                      |                             |                             |                          |                             | 2650                                  | 0.135                     |                                   |       |  |  |
| KQ0603TTE27N*    | 8       | 27                      | 200                         |                             | 40                       | 200                         | 2800                                  | 0.22                      | 600                               |       |  |  |
| KQ0603TTE30N*    | N       | 30                      |                             |                             | 37                       |                             | 2250                                  | 0.144                     |                                   |       |  |  |
| KQ0603TTE33N*    | 9       | 33                      |                             |                             | 40                       |                             | 2300                                  | 0.22                      |                                   |       |  |  |
| KQ0603TTE36N*    | P       | 36                      |                             |                             | 38                       |                             |                                       | 0.25                      |                                   |       |  |  |
| KQ0603TTE39N*    | 0       | 39                      |                             |                             | 2080                     |                             |                                       |                           |                                   |       |  |  |
| KQ0603TTE43N*    | Q       | 43                      |                             |                             | 40                       |                             |                                       | 2200                      |                                   |       |  |  |
| KQ0603TTE47N*    | 1       | 47                      |                             |                             | 2000                     |                             |                                       |                           |                                   |       |  |  |
| KQ0603TTE51N*    | T       | 51                      |                             |                             | 38                       |                             | 1900                                  | 0.30                      |                                   |       |  |  |
| KQ0603TTE56N*    | 2       | 56                      |                             |                             |                          |                             |                                       | 0.31                      |                                   |       |  |  |
| KQ0603TTE68N*    | 3       | 68                      |                             |                             | 37                       |                             | 1700                                  | 0.34                      |                                   |       |  |  |
| KQ0603TTE72N*    | 4       | 72                      | 0.49                        |                             |                          |                             |                                       | 400                       |                                   |       |  |  |
| KQ0603TTE82N*    | 5       | 82                      | 34                          |                             | 150                      | 1400                        | 0.58                                  |                           |                                   |       |  |  |
| KQ0603TTER10*    | 6       | 100                     |                             |                             |                          | 1350                        | 0.61                                  | 300                       |                                   |       |  |  |
| KQ0603TTER11*    | 7       | 110                     | 32                          |                             | 150                      | 1300                        | 0.65                                  |                           |                                   |       |  |  |
| KQ0603TTER12*    | 8       | 120                     |                             |                             |                          | 1400                        |                                       |                           | 1.4                               | 160   |  |  |
| KQ0603TTER15*    | 9       | 150                     | 100                         |                             | 25                       | 1200                        | 2.2                                   | 140                       |                                   |       |  |  |
| KQ0603TTER18*    | 0       | 180                     |                             |                             |                          |                             | 2.3                                   | 130                       |                                   |       |  |  |
| KQ0603TTER20*    | U       | 200                     |                             |                             | 100                      |                             |                                       | 2.5                       | 120                               |       |  |  |
| KQ0603TTER21*    | V       | 210                     |                             |                             |                          |                             |                                       | 2.4                       |                                   |       |  |  |
| KQ0603TTER22*    | 1       | 220                     |                             |                             | 24                       | 100                         | 1000                                  | 2.3                       | 170                               |       |  |  |
| KQ0603TTER25*    | W       | 250                     |                             |                             |                          |                             | 840                                   | 3.17                      | 110                               |       |  |  |
| KQ0603TTER27*    | 2       | 270                     |                             |                             | 30                       |                             | 700                                   | 3.0                       | 100                               |       |  |  |
| KQ0603TTER30*    | X       | 300                     |                             |                             |                          |                             |                                       | 800                       | 3.7                               | 80    |  |  |
| KQ0603TTER33*    | 3       | 330                     |                             |                             | 50                       |                             | 50                                    | 640                       | 1.21                              | 190   |  |  |
| KQ0603TTER39*    | 4       | 390                     | 610                         |                             |                          |                             |                                       | 1.26                      | 170                               |       |  |  |
| KQ0603TTER47*    | 5       | 470                     | 50                          |                             | J: ±5%<br>K: ±10%        | 30                          | 560                                   | 2.09                      | 130                               |       |  |  |
| KQ0603TTER51*    | V       | 510                     |                             |                             |                          |                             | 590                                   | 1.89                      | 150                               |       |  |  |
| KQ0603TTER56*    | 6       | 560                     |                             |                             |                          |                             |                                       |                           |                                   |       |  |  |
| KQ0603TTER62*    | W       | 620                     |                             |                             |                          |                             |                                       |                           |                                   |       |  |  |

\* Add tolerance character (B, C, G, H, J, K, M)

Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

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## applications and ratings (continued)

| Part Designation | Marking | Nominal Inductance (nH) | L Measuring Frequency (MHz) | Inductance Tolerance         | Q Quality Factor Minimum    | Q Measuring Frequency (MHz) | Self Resonant Frequency Minimum (MHz) | DC Resistance Maximum (Ω) | Allowable DC Current Maximum (mA) |
|------------------|---------|-------------------------|-----------------------------|------------------------------|-----------------------------|-----------------------------|---------------------------------------|---------------------------|-----------------------------------|
| KQ0603TTER68*    | 7       | 680                     | 50                          | J: ±5%<br>K: ±10%            | 30                          | 50                          | 540                                   | 1.97                      | 140                               |
| KQ0603TTER72*    | C       | 720                     |                             |                              |                             |                             | 530                                   | 2.04                      | 130                               |
| KQ0603TTER75*    | X       | 750                     |                             |                              |                             |                             | 490                                   | 3.09                      | 110                               |
| KQ0603TTER82*    | 8       | 820                     |                             |                              |                             |                             | 480                                   | 2.95                      | 120                               |
| KQ0603TTER91*    | Y       | 910                     |                             |                              |                             |                             | 440                                   | 5.13                      | 90                                |
| KQ0603TTE1R0*    | 9       | 1000                    |                             |                              |                             |                             | 400                                   | 5.45                      | 80                                |
| KQ0603TTE1R2*    | 0       | 1200                    |                             |                              |                             |                             |                                       |                           |                                   |
| KQ0805TTE3N3*    | 0       | 3.3                     | 250                         | J: ±5%<br>K: ±10%            | 50                          | 1500                        | 6000                                  | 0.08                      | 600                               |
| KQ0805TTE6N8*    | 1       | 6.8                     |                             |                              |                             | 1000                        | 5500                                  | 0.11                      |                                   |
| KQ0805TTE8N2*    | 2       | 8.2                     |                             |                              |                             | 4700                        | 0.12                                  |                           |                                   |
| KQ0805TTE12N*    | 3       | 12                      |                             | 4000                         |                             | 0.15                        |                                       |                           |                                   |
| KQ0805TTE15N*    | 4       | 15                      |                             | 3400                         |                             | 0.17                        |                                       |                           |                                   |
| KQ0805TTE18N*    | 5       | 18                      |                             | 3300                         |                             | 0.20                        |                                       |                           |                                   |
| KQ0805TTE20N*    | Y       | 20                      |                             | 200                          | G: ±2%<br>J: ±5%<br>K: ±10% | 55                          | 2600                                  | 0.22                      | 500                               |
| KQ0805TTE22N*    | 6       | 22                      | 2500                        |                              |                             | 0.25                        |                                       |                           |                                   |
| KQ0805TTE27N*    | 7       | 27                      | 2050                        |                              |                             | 0.27                        |                                       |                           |                                   |
| KQ0805TTE33N*    | 8       | 33                      | 2000                        |                              |                             | 0.29                        |                                       |                           |                                   |
| KQ0805TTE39N*    | 9       | 39                      | 1650                        |                              |                             | 0.34                        |                                       |                           |                                   |
| KQ0805TTE43N*    | 4       | 43                      | 1550                        |                              |                             | 0.38                        |                                       |                           |                                   |
| KQ0805TTE47N*    | 0       | 47                      | 1450                        |                              |                             | 0.42                        |                                       |                           |                                   |
| KQ0805TTE56N*    | 1       | 56                      | 150                         | 65                           | 250                         | 1300                        | 0.46                                  | 400                       |                                   |
| KQ0805TTE68N*    | 2       | 68                      |                             |                              |                             | 1200                        | 0.51                                  |                           |                                   |
| KQ0805TTE82N*    | 3       | 82                      |                             |                              |                             | 1100                        | 0.56                                  |                           |                                   |
| KQ0805TTER10*    | 4       | 100                     |                             |                              |                             | 870                         | 0.64                                  |                           |                                   |
| KQ0805TTER12*    | 5       | 120                     |                             |                              |                             | 850                         | 0.70                                  |                           |                                   |
| KQ0805TTER15*    | 6       | 150                     |                             |                              |                             | 650                         | 1.0                                   |                           |                                   |
| KQ0805TTER16*    | H       | 160                     |                             |                              |                             | 600                         | 1.4                                   |                           |                                   |
| KQ0805TTER17*    | J       | 170                     | 100                         | 50                           | 250                         | 560                         | 1.5                                   | 310                       |                                   |
| KQ0805TTER18*    | 7       | 180                     |                             |                              |                             | 375                         | 1.76                                  |                           |                                   |
| KQ0805TTER19*    | D       | 190                     |                             |                              |                             | 340                         | 1.9                                   |                           |                                   |
| KQ0805TTER20*    | E       | 200                     |                             |                              |                             | 188                         | 2.2                                   |                           |                                   |
| KQ0805TTER21*    | F       | 210                     |                             |                              |                             | 200                         | 2.3                                   |                           |                                   |
| KQ0805TTER22*    | 8       | 220                     |                             |                              |                             | 215                         | 2.35                                  |                           |                                   |
| KQ0805TTER23*    | K       | 230                     |                             |                              |                             |                             |                                       |                           |                                   |
| KQ0805TTER24*    | L       | 240                     | 50                          | J: ±5%<br>K: ±10%            | 33                          | 100                         | 4100                                  | 0.08                      | 1000                              |
| KQ0805TTER25*    | G       | 250                     |                             |                              |                             |                             | 3300                                  | 0.09                      |                                   |
| KQ0805TTER27*    | 9       | 270                     |                             |                              |                             |                             | 3000                                  | 0.10                      |                                   |
| KQ0805TTER33*    | 0       | 330                     |                             |                              |                             |                             | 2500                                  | 0.11                      |                                   |
| KQ0805TTER39*    | 1       | 390                     |                             |                              |                             |                             | 2400                                  | 0.12                      |                                   |
| KQ0805TTER47*    | 2       | 470                     |                             |                              |                             |                             | 1600                                  | 0.13                      |                                   |
| KQ0805TTER56*    | 3       | 560                     |                             |                              |                             |                             | 1600                                  | 0.14                      |                                   |
| KQ0805TTER68*    | 4       | 680                     | 25                          | J: ±5%<br>K: ±10%            | 23                          | 50                          | 188                                   | 2.2                       | 190                               |
| KQ0805TTER72*    | A       | 720                     |                             |                              |                             |                             | 200                                   | 2.3                       |                                   |
| KQ0805TTER82*    | 5       | 820                     |                             |                              |                             |                             | 215                                   | 2.35                      |                                   |
| KQ1008TTE10N*    | 10N     | 10                      |                             |                              |                             |                             |                                       |                           |                                   |
| KQ1008TTE12N*    | 12N     | 12                      |                             |                              |                             |                             |                                       |                           |                                   |
| KQ1008TTE15N*    | 15N     | 15                      | 50                          | J: ±5%<br>K: ±10%<br>M: ±20% | 50                          | 500                         | 3000                                  | 0.10                      | 1000                              |
| KQ1008TTE18N*    | 18N     | 18                      |                             |                              |                             |                             | 2500                                  | 0.11                      |                                   |
| KQ1008TTE22N*    | 22N     | 22                      |                             |                              |                             |                             | 2400                                  | 0.12                      |                                   |
| KQ1008TTE27N*    | 27N     | 27                      |                             |                              |                             |                             | 1600                                  | 0.13                      |                                   |
| KQ1008TTE33N*    | 33N     | 33                      |                             |                              |                             |                             | 1600                                  | 0.14                      |                                   |

\* Add tolerance character (C, G, H, J, K, M)

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11/30/17

## applications and ratings (continued)

| Part Designation | Marking | Nominal Inductance (nH) | L Measuring Frequency (MHz) | Inductance Tolerance    | Q Quality Factor Minimum | Q Measuring Frequency (MHz) | Self Resonant Frequency Minimum (MHz) | DC Resistance Maximum (Ω) | Allowable DC Current Maximum (mA) |      |
|------------------|---------|-------------------------|-----------------------------|-------------------------|--------------------------|-----------------------------|---------------------------------------|---------------------------|-----------------------------------|------|
| KQ1008TTE39N*    | 39N     | 39                      | 50                          | J: ±5%,K:±10%<br>M:±20% | 60                       | 350                         | 1500                                  | 0.15                      | 1000                              |      |
| KQ1008TTE47N*    | 47N     | 47                      |                             |                         | 65                       |                             | 1300                                  | 0.16                      |                                   |      |
| KQ1008TTE56N*    | 56N     | 56                      |                             |                         |                          |                             |                                       | 1000                      |                                   | 0.18 |
| KQ1008TTE68N*    | 68N     | 68                      |                             |                         |                          |                             |                                       |                           |                                   | 0.20 |
| KQ1008TTE82N*    | 82N     | 82                      |                             |                         |                          |                             |                                       |                           |                                   | 0.22 |
| KQ1008TTER10*    | R10     | 100                     | 60                          | 0.56                    |                          | 650                         |                                       |                           |                                   |      |
| KQ1008TTER12*    | R12     | 120                     |                             | 950                     | 0.63                     |                             |                                       |                           |                                   |      |
| KQ1008TTER15*    | R15     | 150                     |                             | 45                      | 100                      |                             | 850                                   | 0.70                      | 580                               |      |
| KQ1008TTER18*    | R18     | 180                     |                             |                         |                          |                             | 750                                   | 0.77                      | 620                               |      |
| KQ1008TTER22*    | R22     | 220                     |                             |                         |                          |                             | 700                                   | 0.84                      | 500                               |      |
| KQ1008TTER27*    | R27     | 270                     | 600                         |                         |                          | 0.91                        | 500                                   |                           |                                   |      |
| KQ1008TTER33*    | R33     | 330                     | 570                         |                         |                          | 1.05                        | 450                                   |                           |                                   |      |
| KQ1008TTER39*    | R39     | 390                     | 500                         |                         |                          | 1.12                        | 470                                   |                           |                                   |      |
| KQ1008TTER47*    | R47     | 470                     | 450                         |                         |                          | 1.19                        |                                       |                           |                                   |      |
| KQ1008TTER56*    | R56     | 560                     | 415                         |                         |                          | 1.33                        | 400                                   |                           |                                   |      |
| KQ1008TTER62*    | R62     | 620                     | 375                         |                         |                          | 1.40                        | 300                                   |                           |                                   |      |
| KQ1008TTER68*    | R68     | 680                     |                             |                         |                          | 1.47                        | 400                                   |                           |                                   |      |
| KQ1008TTER75*    | R75     | 750                     | 360                         |                         |                          | 1.54                        | 360                                   |                           |                                   |      |
| KQ1008TTER82*    | R82     | 820                     | 350                         |                         |                          | 1.61                        | 400                                   |                           |                                   |      |
| KQ1008TTER91*    | R91     | 910                     | 35                          |                         |                          | 50                          | 320                                   | 1.68                      | 380                               |      |
| KQ1008TTE1R0*    | 1R0     | 1000                    |                             |                         |                          |                             | 290                                   | 1.75                      | 370                               |      |
| KQ1008TTE1R2*    | 1R2     | 1200                    |                             |                         |                          |                             | 250                                   | 1.6                       | 310                               |      |
| KQ1008TTE1R5*    | 1R5     | 1500                    |                             | 200                     | 1.7                      |                             | 300                                   |                           |                                   |      |
| KQ1008TTE1R8*    | 1R8     | 1800                    |                             | 160                     | 1.9                      |                             | 270                                   |                           |                                   |      |
| KQ1008TTE2R2*    | 2R2     | 2200                    | 2.2                         |                         | 250                      |                             |                                       |                           |                                   |      |
| KQ1008TTE2R7*    | 2R7     | 2700                    | 22                          | 25                      |                          | 140                         | 2.3                                   |                           |                                   |      |
| KQ1008TTE3R3*    | 3R3     | 3300                    |                             |                         | 110                      | 2.7                         | 230                                   |                           |                                   |      |
| KQ1008TTE3R9*    | 3R9     | 3900                    | 100                         | 100                     | 2.8                      |                             |                                       |                           |                                   |      |
| KQ1008TTE4R7*    | 4R7     | 4700                    |                             | 90                      | 3.1                      | 210                         |                                       |                           |                                   |      |
| KQ1008TTE5R6*    | 5R6     | 5600                    | 15                          | 7.9                     | 80                       | 2.5                         | 240                                   |                           |                                   |      |
| KQ1008TTE6R8*    | 6R8     | 6800                    |                             |                         | 70                       | 2.8                         | 200                                   |                           |                                   |      |
| KQ1008TTE8R2*    | 8R2     | 8200                    |                             |                         | 65                       | 3.0                         | 170                                   |                           |                                   |      |
| KQ1008TTE100*    | 100     | 10000                   |                             |                         | 60                       | 3.4                         | 150                                   |                           |                                   |      |

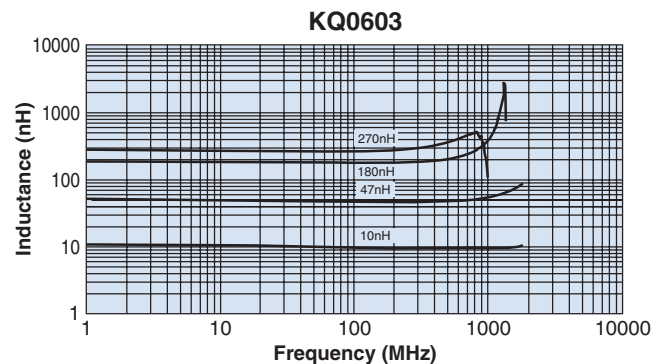
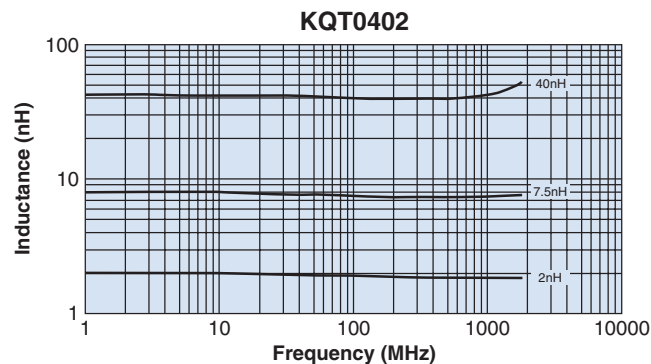
\* Add tolerance character (C, G, H, J, K, M)

Operating Temperature Range: -40°C ~ +125°C

The operating temperature range of the coil (ambient temperature + self heating) must remain at +125°C or less

## environmental applications

### L-Frequency Characteristics

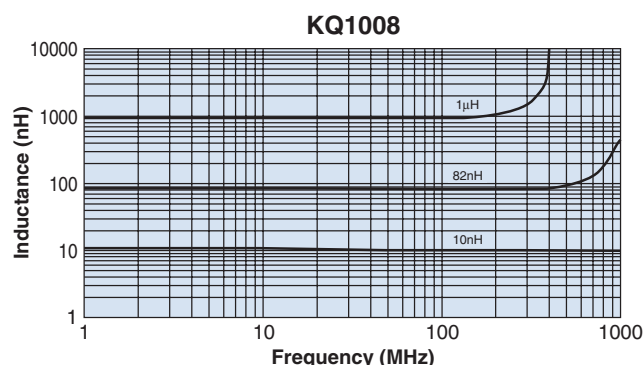
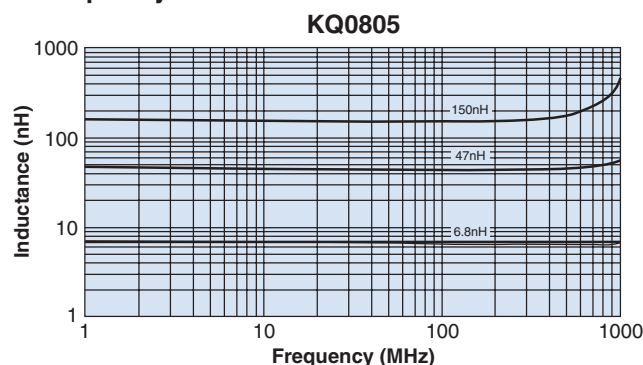


Specifications given herein may be changed at any time without prior notice. Please confirm technical specifications before you order and/or use.

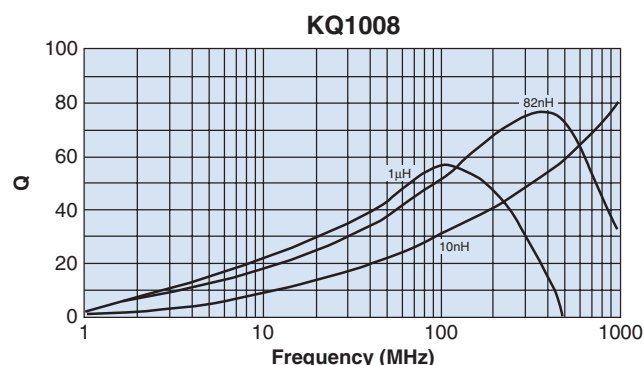
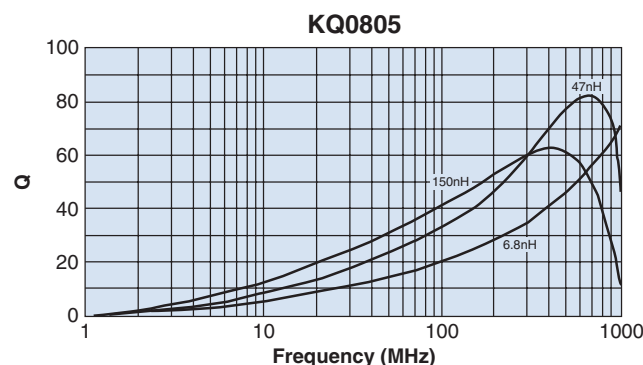
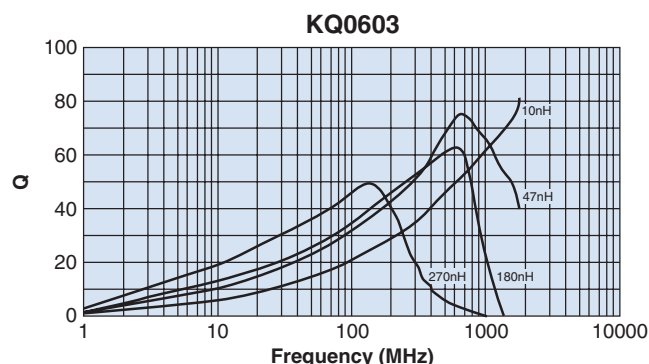
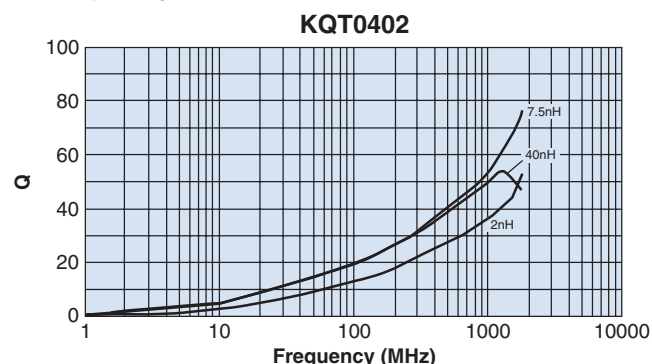
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## environmental applications (continued)

### L-Frequency Characteristics



### Q-Frequency Characteristics



Test equipment: HP4291A impedance analyzer

### Performance Characteristics

| Parameter                    | Requirements Maximum Limit                                                                     | $\Delta$ L/L<br>$\Delta$ Q/Q<br>Typical                | Test Method                                |
|------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------|
| Resistance to Soldering Heat | No significant abnormality in appearance<br>$\Delta$ L/L: $\pm 5\%$ , $\Delta$ Q/Q: $\pm 10\%$ | $\Delta$ L/L: $\pm 2.7\%$<br>$\Delta$ Q/Q: $\pm 6.6\%$ | 260°C $\pm$ 5°C, 10s $\pm$ 1s              |
| Rapid Change of Temperature  | No significant abnormality in appearance<br>$\Delta$ L/L: $\pm 5\%$ , $\Delta$ Q/Q: $\pm 10\%$ | $\Delta$ L/L: $\pm 2.1\%$<br>$\Delta$ Q/Q: $\pm 5.3\%$ | -40°C (30min.)/ +125°C (30min.) 100 cycles |
| Low Temperature Exposure     | No significant abnormality in appearance<br>$\Delta$ L/L: $\pm 5\%$ , $\Delta$ Q/Q: $\pm 10\%$ | $\Delta$ L/L: $\pm 1.8\%$<br>$\Delta$ Q/Q: $\pm 2.8\%$ | -40°C $\pm$ 2°C, 1000h                     |
| High Temperature Exposure    | No significant abnormality in appearance<br>$\Delta$ L/L: $\pm 5\%$ , $\Delta$ Q/Q: $\pm 10\%$ | $\Delta$ L/L: $\pm 1.8\%$<br>$\Delta$ Q/Q: $\pm 5.3\%$ | 125°C $\pm$ 2°C, 1000h                     |
| Moisture Exposure            | No significant abnormality in appearance<br>$\Delta$ L/L: $\pm 5\%$ , $\Delta$ Q/Q: $\pm 10\%$ | $\Delta$ L/L: $\pm 0.9\%$<br>$\Delta$ Q/Q: $\pm 6.9\%$ | 40°C $\pm$ 2°C, 90%~95%RH, 1000h           |
| Resistance to Solvent        | No damage and marking shall remain legible                                                     | —                                                      | Accordance with MIL-STD 202F Method 215    |

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