

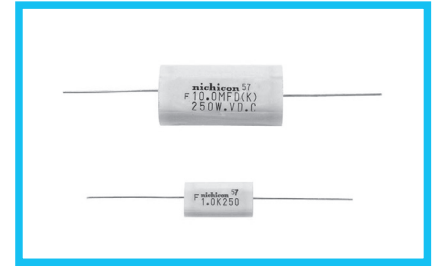
# QAP

Metallized Polypropylene Film Capacitor

(Tape-wrapped Axial Type for High Frequency Applications)



- Non-inductive construction, with axial lead wires.
- Superior performance in high frequency circuit and charging / discharging circuit due to excellent characteristics of metallized polypropylene film dielectric.
- Highly reliable with self-healing property.
- Tape-wrapped and epoxy endfilled at both leads for superior mechanical strength and humidity resistance.
- Some A.C. applications may cause capacitor failure, over heating of the capacitors and / or discharge may be the result. Please contact us about details for A.C. application.
- Compliant to the RoHS directive (2011/65/EU, (EU)2015/863).

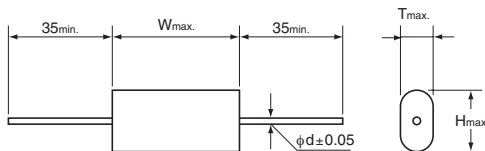


Products which are scheduled to be discontinued.  
Not recommended for new designs.

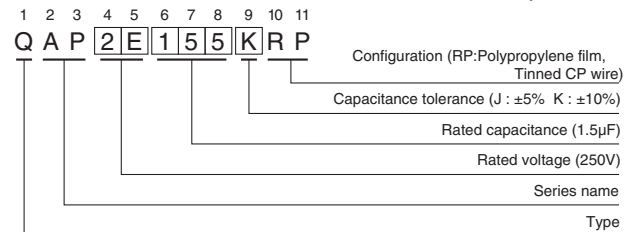
## Specifications

| Item                       | Performance Characteristics                                                                                                   |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Category Temperature Range | -40 to +85°C                                                                                                                  |
| Rated Voltage              | 250, 400, 630VDC                                                                                                              |
| Rated Capacitance Range    | 0.15 to 10μF                                                                                                                  |
| Capacitance Tolerance      | ± 5% (J), ± 10% (K)                                                                                                           |
| Dielectric Loss Tangent    | 0.1% or less (at 1kHz 20°C)                                                                                                   |
| Insulation Resistance      | C ≤ 0.33μF : 30000 MΩ or more    C > 0.33μF : 10000 ΩF or more                                                                |
| Withstand Voltage          | Between Terminals : Rated Voltage × 175%, 1 to 5 secs.<br>Between Terminals and Coverage : Rated Voltage × 200%, 1 to 5 secs. |
| Encapsulation              | Adhesive polyester film, resin                                                                                                |

## Drawing



Type numbering system (Example : 250V 1.5μF)



## Dimensions

Unit : mm

| V(Code)  |      | 250VDC (2E) |      |      |     | 400VDC (2G) |      |      |     | 630VDC (2J) |      |      |     |
|----------|------|-------------|------|------|-----|-------------|------|------|-----|-------------|------|------|-----|
| Cap.(μF) | Code | T           | W    | H    | d   | T           | W    | H    | d   | T           | W    | H    | d   |
| 0.15     | 154  |             |      |      |     |             |      |      |     | 6.3         | 30.0 | 12.9 | 0.8 |
| 0.22     | 224  |             |      |      |     |             |      |      |     | 7.1         | 30.0 | 15.3 | 0.8 |
| 0.33     | 334  |             |      |      |     | 7.6         | 30.0 | 14.2 | 0.8 | 8.9         | 30.0 | 17.1 | 0.8 |
| 0.47     | 474  | 5.8         | 30.0 | 12.4 | 0.8 | 9.2         | 30.0 | 15.7 | 0.8 | 9.3         | 35.0 | 17.4 | 0.8 |
| 0.68     | 684  | 6.5         | 30.0 | 14.7 | 0.8 | 10.5        | 30.0 | 18.7 | 0.8 | 11.4        | 35.0 | 19.6 | 0.8 |
| 1.0      | 105  | 8.0         | 30.0 | 16.2 | 0.8 | 11.2        | 35.0 | 19.4 | 0.8 | 11.9        | 40.0 | 21.6 | 1.0 |
| 1.5      | 155  | 10.1        | 30.0 | 18.2 | 0.8 | 13.4        | 35.0 | 23.1 | 0.8 | 13.5        | 46.0 | 23.2 | 1.0 |
| 2.2      | 225  | 10.8        | 35.0 | 19.0 | 0.8 | 14.8        | 40.0 | 24.2 | 1.0 | 16.8        | 46.0 | 26.5 | 1.0 |
| 3.3      | 335  | 12.9        | 35.0 | 22.6 | 0.8 | 16.9        | 46.0 | 26.6 | 1.0 | 19.4        | 52.0 | 29.1 | 1.0 |
| 4.7      | 475  | 14.1        | 40.0 | 23.8 | 1.0 | 19.0        | 52.0 | 28.7 | 1.0 |             |      |      |     |
| 6.8      | 685  | 15.8        | 46.0 | 25.5 | 1.0 |             |      |      |     |             |      |      |     |
| 10.0     | 106  | 18.1        | 52.0 | 27.8 | 1.0 |             |      |      |     |             |      |      |     |