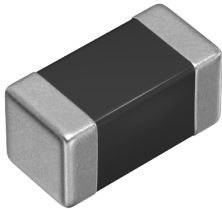


|                          |                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Status           | Production                                                                                                                                                                                                                                                                                                                                                                |
| Applications             | Automotive Grade                                                                                                                                                                                                                                                                                                                                                          |
| Feature                  | AEC-Q200AEC-Q200                                                                                                                                                                                                                                                                                                                                                          |
|                          | No DirectivityNo Directivity                                                                                                                                                                                                                                                                                                                                              |
|                          | MultilayerMultilayer                                                                                                                                                                                                                                                                                                                                                      |
|                          | Magnetic ShieldMagnetic Shield                                                                                                                                                                                                                                                                                                                                            |
|                          | Ferrite CoreFerrite Core                                                                                                                                                                                                                                                                                                                                                  |
| Series   Type            | MLF                                                                                                                                                                                                                                                                                                                                                                       |
| Status                   |  Production                                                                                                                                                                                                                                                                              |
| Brand                    | TDK                                                                                                                                                                                                                                                                                                                                                                       |
| Environmental Compliance |  RoHS  REACH  Halogen Free  Lead Free |



| Size                         |                |
|------------------------------|----------------|
| Length(L)                    | 1.60mm ±0.15mm |
| Width(W)                     | 0.80mm ±0.15mm |
| Thickness   Height           | 0.80mm ±0.15mm |
| Recommended Land Pattern (A) | 0.60mm Nom.    |
| Recommended Land Pattern (B) | 0.80mm Nom.    |
| Recommended Land Pattern (C) | 0.80mm Nom.    |

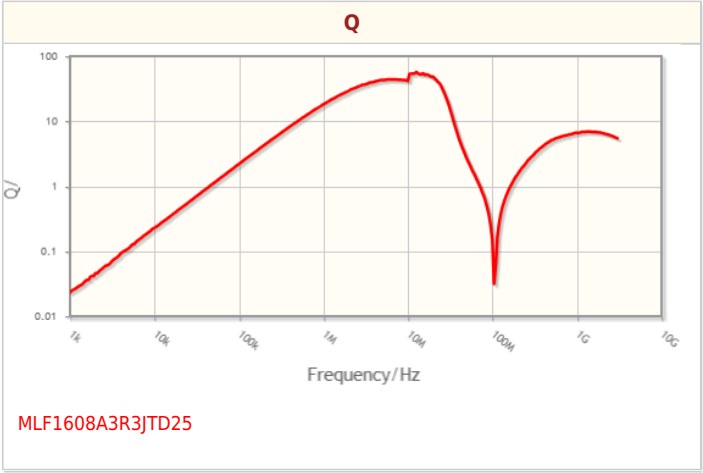
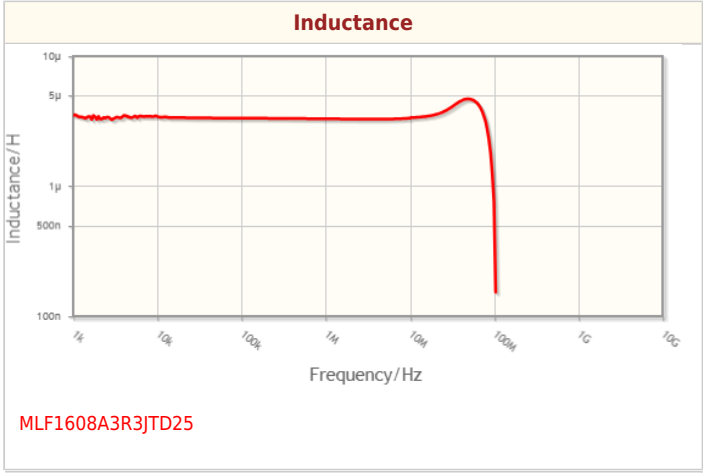
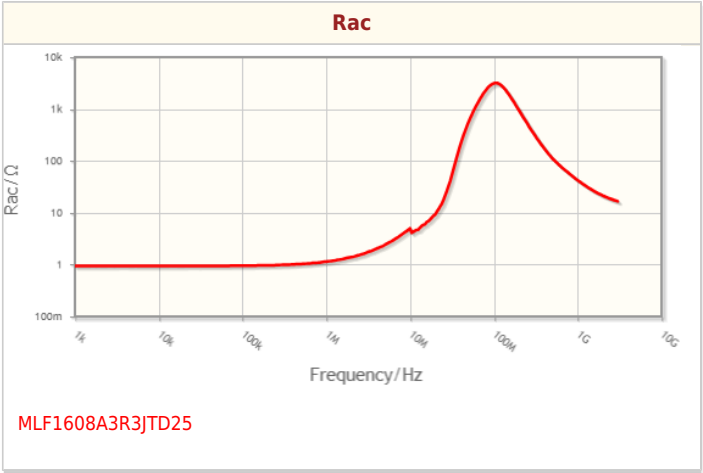
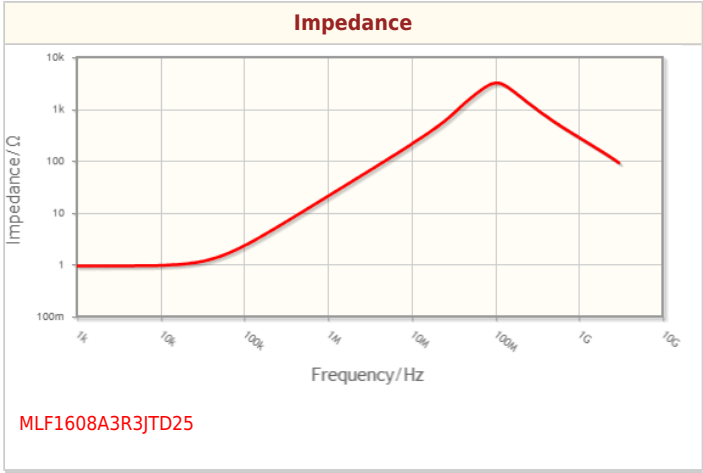
| Electrical Characteristics              |                    |
|-----------------------------------------|--------------------|
| Inductance                              | 3.3μH ±5% at 10MHz |
| Rated Current (L Change) [Typ.]         |                    |
| Rated Current (L Change) [Max.]         | 30mA               |
| Rated Current (Temperature Rise) [Typ.] |                    |
| Rated Current (Temperature Rise) [Max.] |                    |
| DC Resistance [Typ.]                    | 550mΩ              |
| DC Resistance [Max.]                    | 1.3Ω               |
| Rated Voltage [Max.]                    |                    |
| Self Resonant Frequency [Min.]          | 65MHz              |
| Self Resonant Frequency [Typ.]          | 100MHz             |
| Q [Min.]                                | 35 at 10MHz        |
| Q [Typ.]                                | 60 at 10MHz        |

| Other                 |              |
|-----------------------|--------------|
| Operating Temp. Range | -55 to 125°C |

! Images are for reference only and show exemplary products.  
! This PDF document was created based on the data listed on the TDK Corporation website.  
! All specifications are subject to change without notice.

|                       |                                    |
|-----------------------|------------------------------------|
| Soldering Method      | Reflow<br>Iron Soldering           |
| AEC-Q200              | YES                                |
| Packing               | Punched (Paper)Taping [180mm Reel] |
| Package Quantity      | 4000pcs                            |
| Weight                | 0.004g                             |
| FIT (Failure In Time) | Please contact us                  |

Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



# Associated Images

