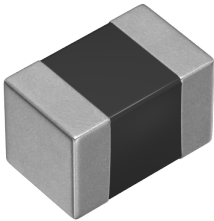


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Status           | Production                                                                                                                                                                                                                                                                                                                                                                                                                |
| Applications             | Commercial Grade                                                                                                                                                                                                                                                                                                                                                                                                          |
| Feature                  | No DirectivityNo Directivity                                                                                                                                                                                                                                                                                                                                                                                              |
|                          | MultilayerMultilayer                                                                                                                                                                                                                                                                                                                                                                                                      |
|                          | ShieldMagnetic Shield                                                                                                                                                                                                                                                                                                                                                                                                     |
|                          | Ferrite CoreFerrite Core                                                                                                                                                                                                                                                                                                                                                                                                  |
| Series   Type            | MLF                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Brand                    | TDK                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Environmental Compliance | <div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div> |



| Size                         |                |
|------------------------------|----------------|
| Length(L)                    | 2.00mm ±0.20mm |
| Width(W)                     | 1.25mm ±0.20mm |
| Thickness   Height           | 1.25mm ±0.20mm |
| Recommended Land Pattern (A) | 0.80mm Nom.    |
| Recommended Land Pattern (B) | 1.00mm Nom.    |
| Recommended Land Pattern (C) | 1.20mm Nom.    |

| Electrical Characteristics              |                    |
|-----------------------------------------|--------------------|
| Inductance                              | 4.7μH ±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.]                    | 350mΩ              |
| DC Resistance [Max.]                    | 700mΩ              |
| Rated Voltage [Max.]                    |                    |
| Self Resonant Frequency [Min.]          | 50MHz              |
| Self Resonant Frequency [Typ.]          | 70MHz              |
| Q [Min.]                                | 45 at 10MHz        |
| Q [Typ.]                                | 70 at 10MHz        |

| Other                 |                                       |
|-----------------------|---------------------------------------|
| Operating Temp. Range | -55 to 125°C                          |
| Soldering Method      | Reflow                                |
|                       | Iron Soldering                        |
| AEC-Q200              | NO                                    |
| Packing               | Embossed (Plastic)Taping [180mm Reel] |

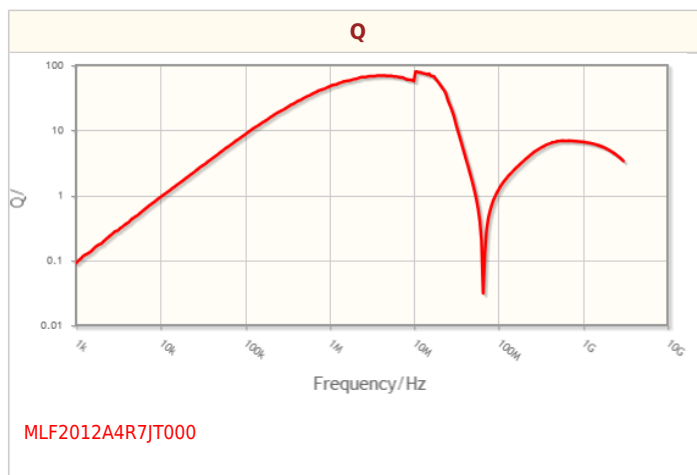
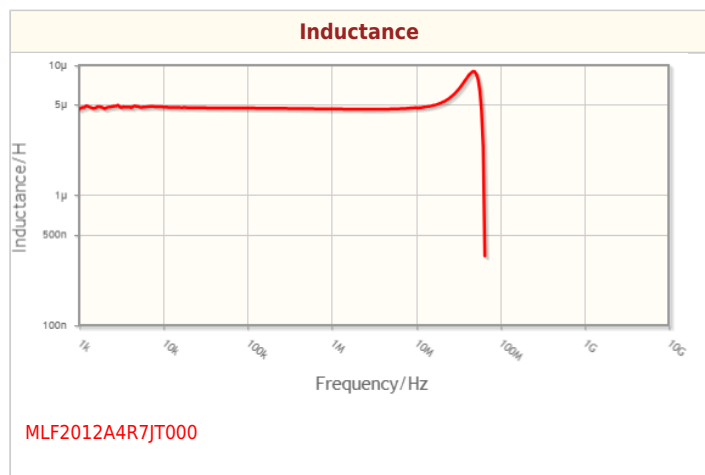
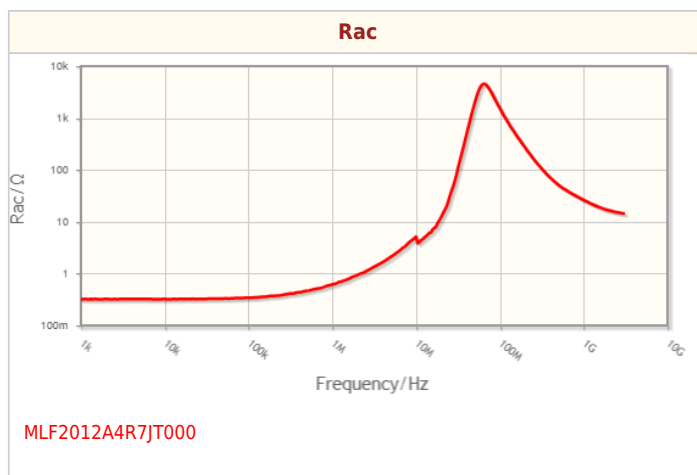
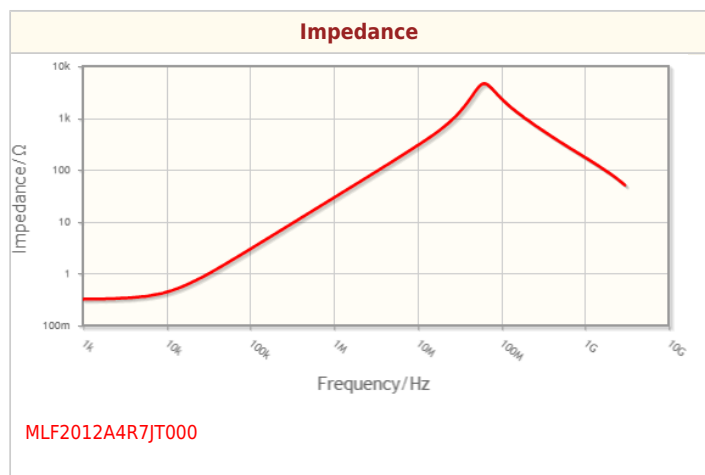
! Images are for reference only and show exemplary products.

! This PDF document was created based on the data listed on the TDK Corporation website.

! All specifications are subject to change without notice.

|                  |         |
|------------------|---------|
| Package Quantity | 2000pcs |
| Weight           | 0.014g  |

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



Associated Images

