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|--------------------------|---|
| Product Status | Production |
| Applications | Commercial Grade |
| Feature | No Directivity |
| | Multilayer |
| | Shield |
| Series Type | MLF |
| Brand | TDK |
| Environmental Compliance |  RoHS  REACH  Halogen Free  Lead Free |



| Size | |
|------------------------------|----------------|
| Length(L) | 1.00mm ±0.05mm |
| Width(W) | 0.50mm ±0.05mm |
| Thickness Height | 0.50mm ±0.05mm |
| Recommended Land Pattern (A) | 0.50mm Nom. |
| Recommended Land Pattern (B) | 0.40mm Nom. |
| Recommended Land Pattern (C) | 0.50mm Nom. |

| Electrical Characteristics | |
|---|--------------------|
| Inductance | 390nH ±5% at 25MHz |
| Rated Current (L Change) [Typ.] | |
| Rated Current (L Change) [Max.] | 130mA |
| Rated Current (Temperature Rise) [Typ.] | |
| Rated Current (Temperature Rise) [Max.] | |
| DC Resistance [Typ.] | 890mΩ |
| DC Resistance [Max.] | 1.35Ω |
| Rated Voltage [Max.] | |
| Self Resonant Frequency [Min.] | 210MHz |
| Self Resonant Frequency [Typ.] | 330MHz |
| Q [Min.] | 15 at 25MHz |
| Q [Typ.] | 30 at 25MHz |

| Other | |
|-----------------------|------------------------------------|
| Operating Temp. Range | -55 to 125°C |
| Soldering Method | Reflow Iron Soldering |
| AEC-Q200 | NO |
| Packing | Punched (Paper)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.

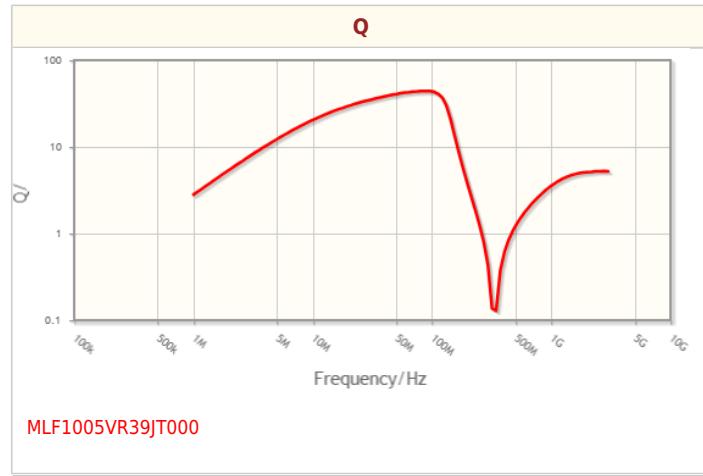
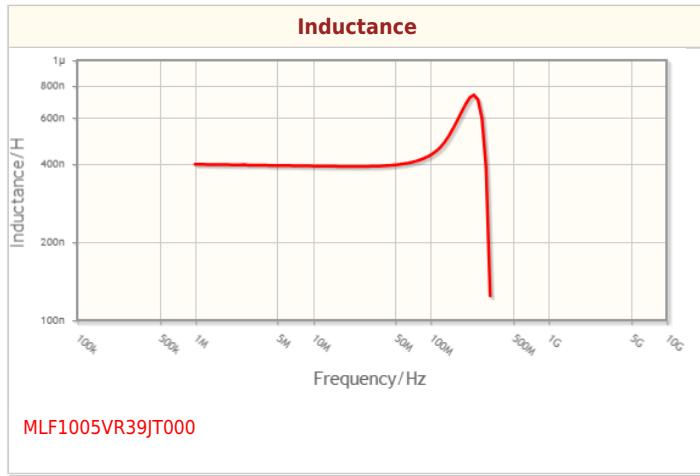
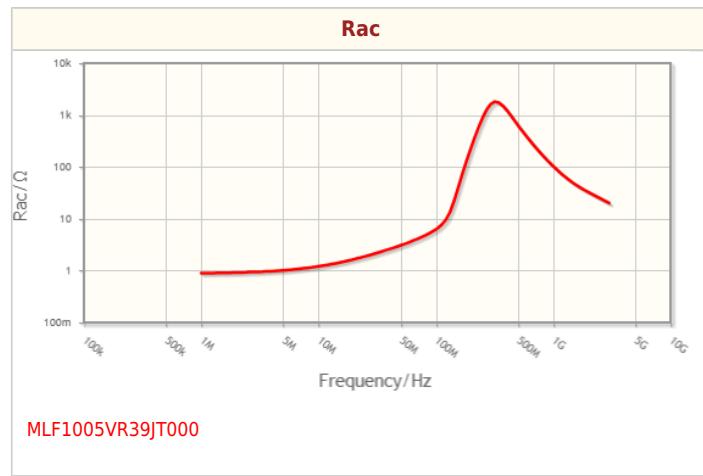
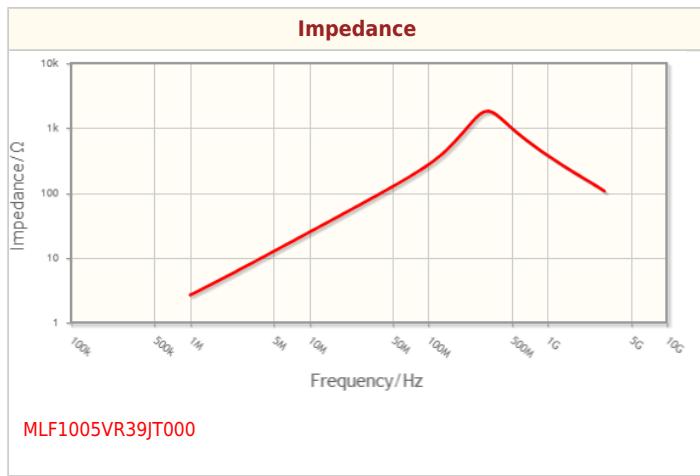
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| | |
|------------------|----------|
| Package Quantity | 10000pcs |
| Weight | 0.0012g |

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MLF1005VR39JT000

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



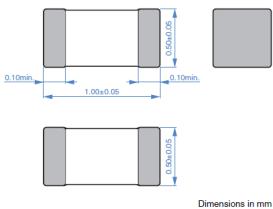
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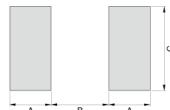
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



Dimensions in mm

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