

| | |
|--------------------------|---|
| Product Status | Production |
| Applications | Automotive Grade |
| | AEC-Q200 |
| Feature | Multilayer |
| | Multilayer |
| | Non-Mag Core |
| | Non-Magnetic Core (Dielectric Ceramic) |
| Series Type | MLG |
| Brand | TDK |
| Environmental Compliance |  RoHS  REACH  Halogen Free  Lead Free |



| Size | |
|------------------------------|----------------------|
| Length(L) | 1.00mm ± 0.05 mm |
| Width(W) | 0.50mm ± 0.05 mm |
| Thickness Height | 0.50mm ± 0.05 mm |
| 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 $\pm 3\%$ at 50MHz |
| Rated Current | 50mA |
| DC Resistance [Typ.] | 5.97Ω |
| DC Resistance [Max.] | 8Ω |
| Self Resonant Frequency [Min.] | 300MHz |
| Self Resonant Frequency [Typ.] | 400MHz |
| Q [Min.] | 6 at 50MHz |
| Q [Typ.] | 8 at 50MHz |

| Other | |
|-----------------------|--|
| Operating Temp. Range | -55 to 125°C |
| Soldering Method | Reflow Iron Soldering |
| AEC-Q200 | YES |
| Packing | Punched (Paper)Taping [180mm Reel, Tape width 8mm] |
| Package Quantity | 10000pcs |
| Weight | 0.001g |

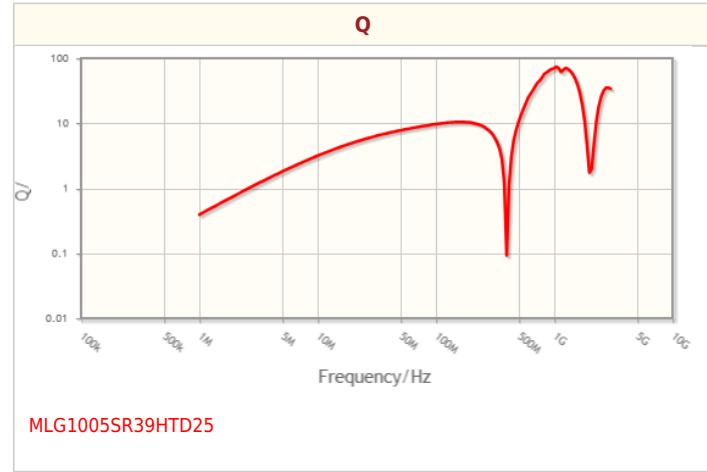
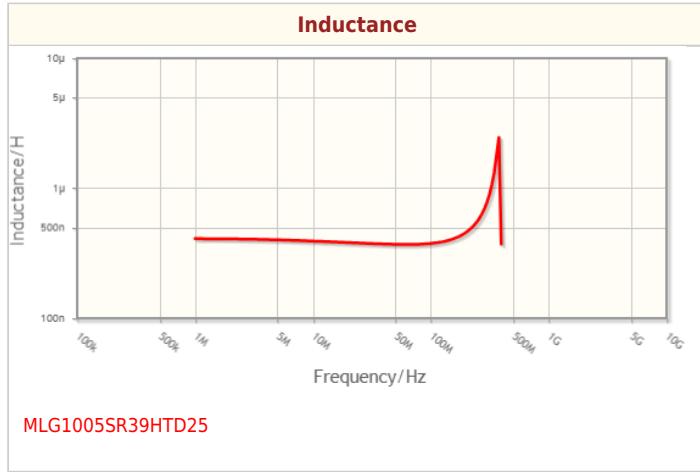
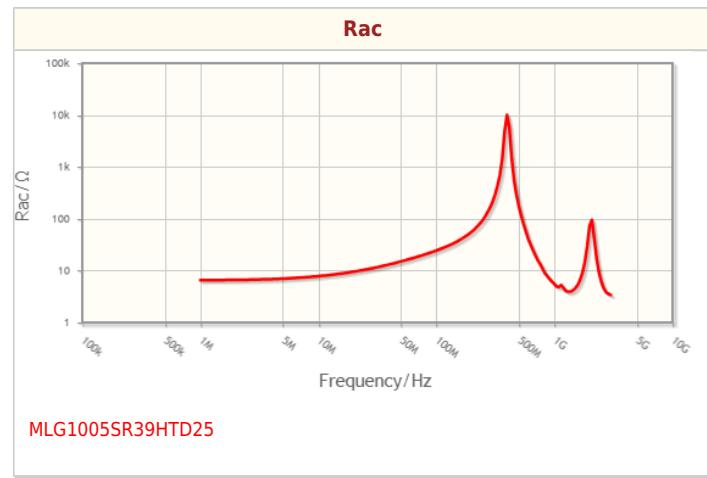
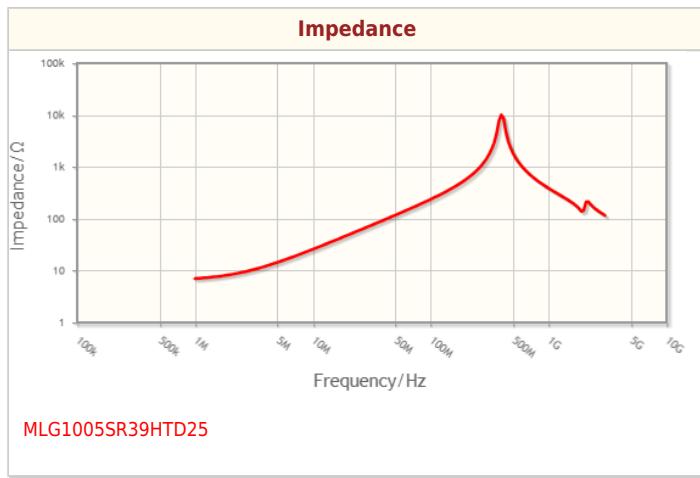
! Images are for reference only and show exemplary products.

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

! All specifications are subject to change without notice.

MLG1005SR39HTD25

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



! 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.

Associated Images



! 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.