

MLF1005G1R5JTD25



| | |
|----------------------|--|
| Applications | Automotive Grade |
| Feature | <div style="display: flex; flex-direction: column; gap: 5px;"> <div>Shield Magnetic Shield</div> <div>Multilayer Multilayer</div> <div>Ferrite Core Ferrite Core</div> <div>AEC-Q200 AEC-Q200</div> </div> |
| Series Type | MLF |
| Status | Production |
| Brand | TDK |



| Size | |
|------------------------------|----------------|
| Length(L) | 1.00mm ±0.05mm |
| Width(W) | 0.50mm ±0.05mm |
| Thickness(T) | 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 | 1.5µH ±5% at 10MHz |
| Rated Current (L Change) [Typ.] | |
| Rated Current (L Change) [Max.] | |
| Rated Current (Temperature Rise) [Typ.] | |
| Rated Current (Temperature Rise) [Max.] | 35mA |
| DC Resistance [Typ.] | 680mΩ |
| DC Resistance [Max.] | 950mΩ |
| Self Resonant Frequency [Min.] | 100MHz |
| Self Resonant Frequency [Typ.] | 200MHz |
| Q [Min.] | 30 |
| Q [Typ.] | 60 |

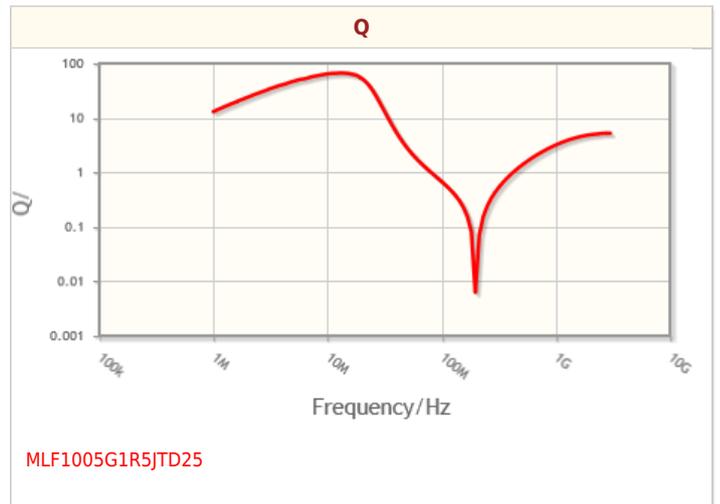
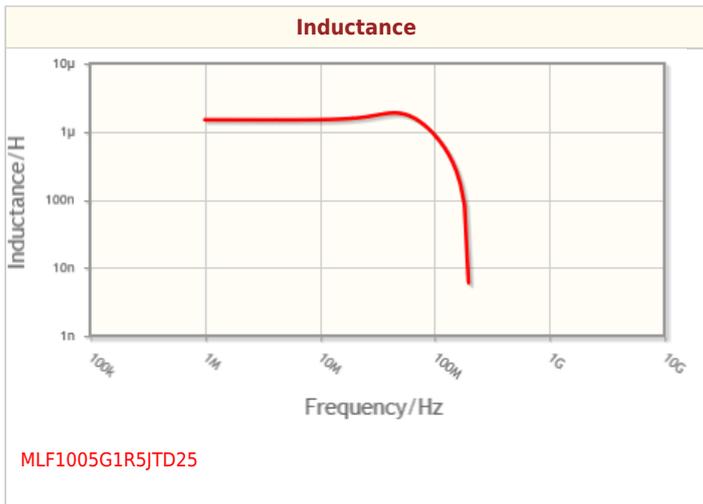
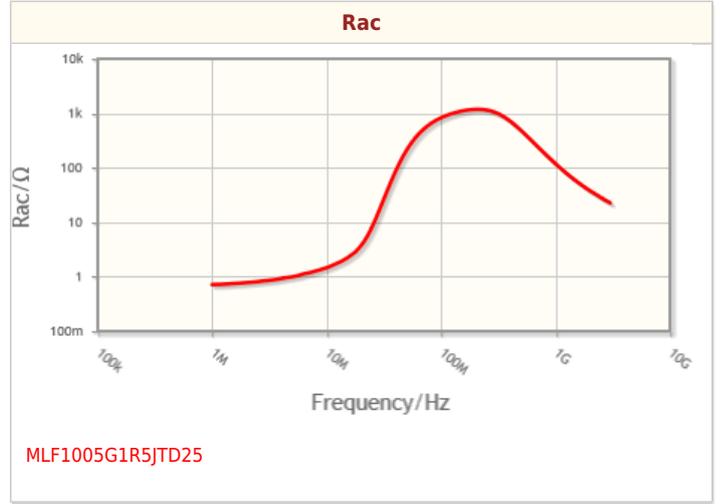
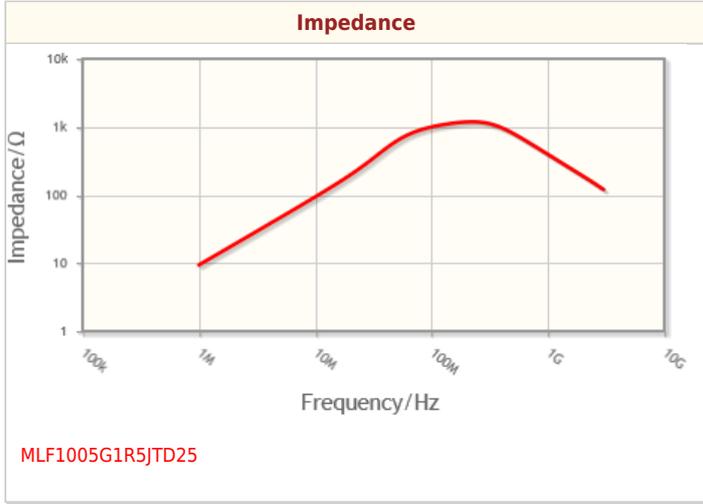
| Other | |
|---|------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125°C |
| Soldering Method | Reflow Iron Soldering |
| AEC-Q200 | Yes |
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 10000pcs |
| Weight | 0.0012g |

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.

MLF1005G1R5JTD25



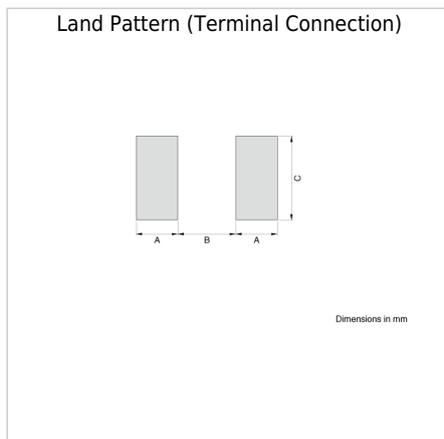
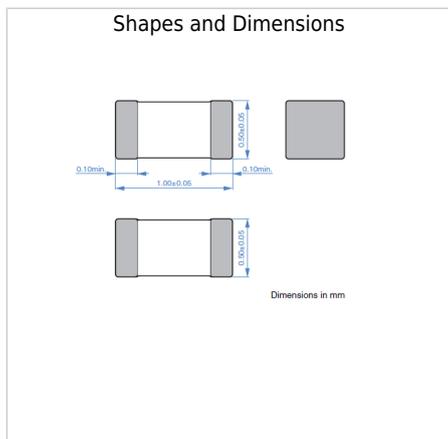
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



! 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.