





MLK1005S56NJT000

| | | |
|--------------|---|--|
| Applications |  | Commercial Grade |
| Feature |  | Multilayer |
| |  | No Directivity |
| |  | Non-Magnetic Core (Dielectric Ceramic) |
| Series | MLK Series / MLK1005 Type | |
| Status | Production | |



| Size | |
|------------------------------|------------------|
| Length(L) | 1.00mm +/-0.10mm |
| Width(W) | 0.50mm +/-0.10mm |
| Thickness(T) | 0.50mm +/-0.10mm |
| Recommended Land Pattern (A) | 0.50mm Nom. |
| Recommended Land Pattern (B) | 0.40mm Nom. |
| Recommended Land Pattern (C) | 0.50mm Nom. |

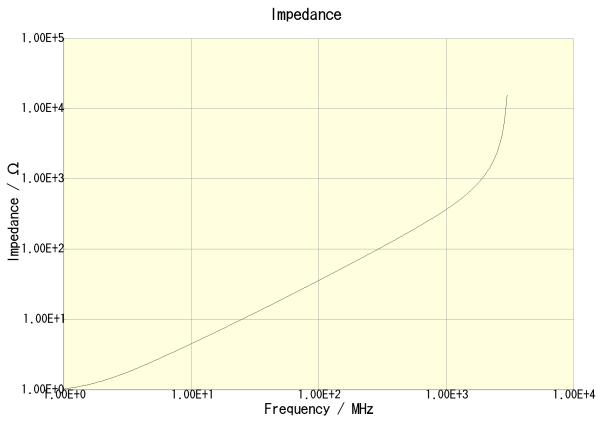
| Electrical Characteristics | |
|---|----------------------|
| Inductance | 56nH +/-5% at 100MHz |
| Rated Current (Temperature Rise) [Max.] | 200mA (20degC Rise) |
| Self-Resonant Frequency [Min.] | 1.5GHz |
| Self-Resonant Frequency [Typ.] | 2.6GHz |
| Q [Min.] | 6 at 100MHz |
| Q [Typ.] | 9 at 100MHz |
| DC Resistance [Nom.] | 840mΩ |
| DC Resistance [Max.] | 1.3Ω |

| Other | |
|---|------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125degC |
| Soldering Method | Reflow, Iron Soldering |
| AEC Q200 | No |
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 10000Pcs Min. |
| Weight | 0.001g |

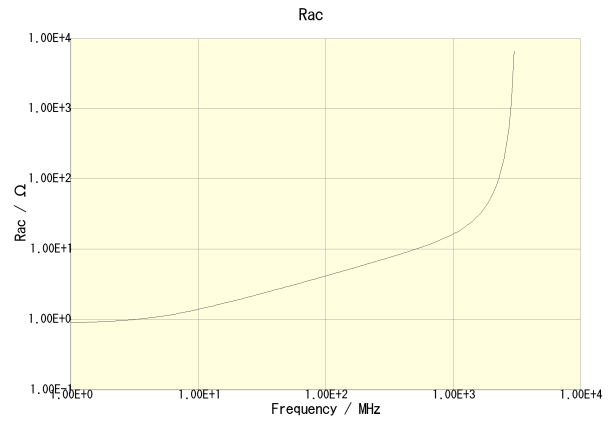
•This PDF document was created based on the data listed on the TDK Corporation website.
 •All specifications are subject to change without notice.

MLK1005S56NJT000

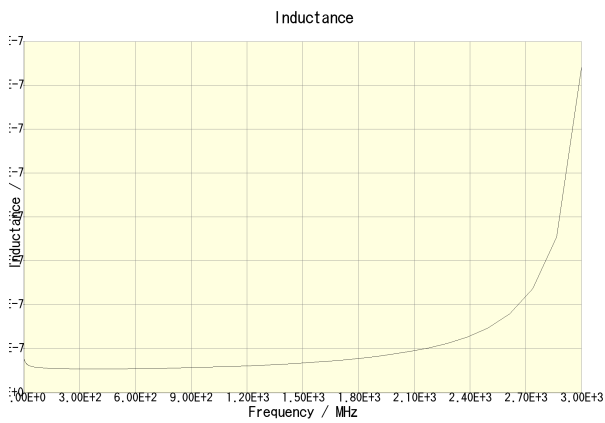
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



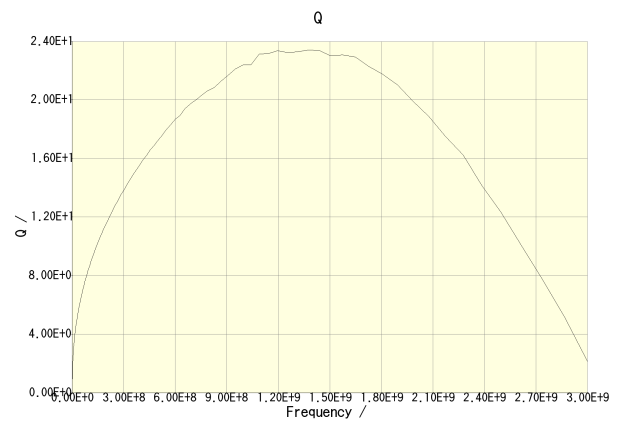
MLK1005S56NJT000



MLK1005S56NJT000



MLK1005S56NJT000

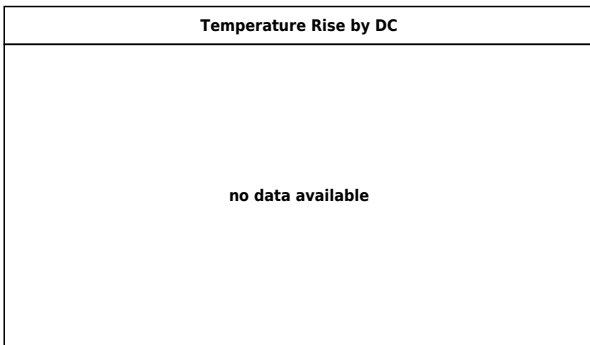


MLK1005S56NJT000

•This PDF document was created based on the data listed on the TDK Corporation website.
 •All specifications are subject to change without notice.

MLK1005S56NJT000

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



•This PDF document was created based on the data listed on the TDK Corporation website.
•All specifications are subject to change without notice.