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|----------------------|--|
| Applications | Commercial Grade |
| Feature | No Directivity |
| | Multilayer |
| | Non-Magnetic Core (Dielectric Ceramic) High Self Resonant Frequency |
| Series Type | MLK |
| Status | EOL announced Recommended Alternate Part No. : MLG1005S2N2ST000 (Interchangeability is not guaranteed.) |
| | Discontinue Issue Date : May.24, 2021 |
| | Last Purchase Order Date : Mar.31, 2026 |
| | Last Shipment Date : Jun.30, 2026 |
| Brand | TDK |



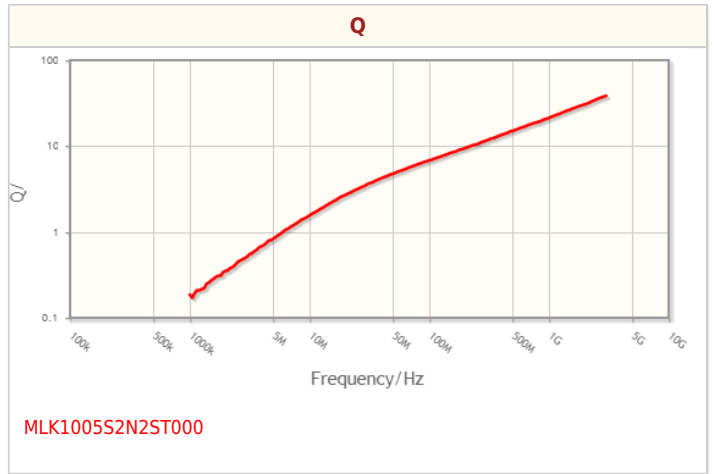
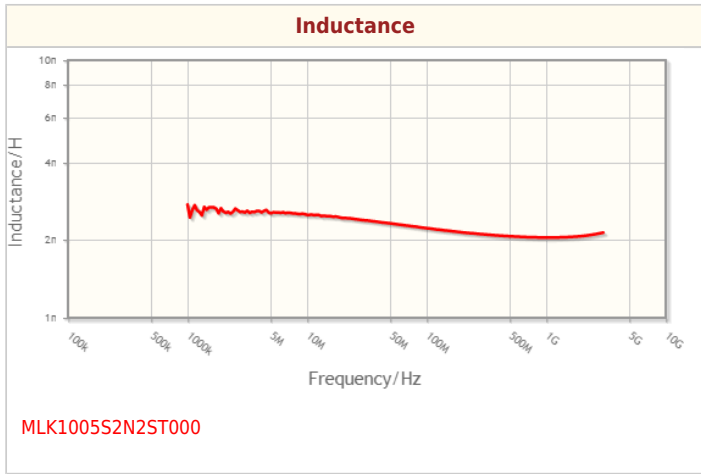
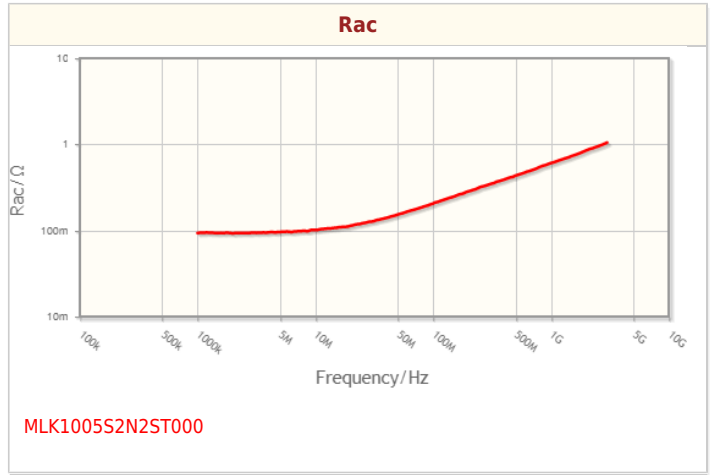
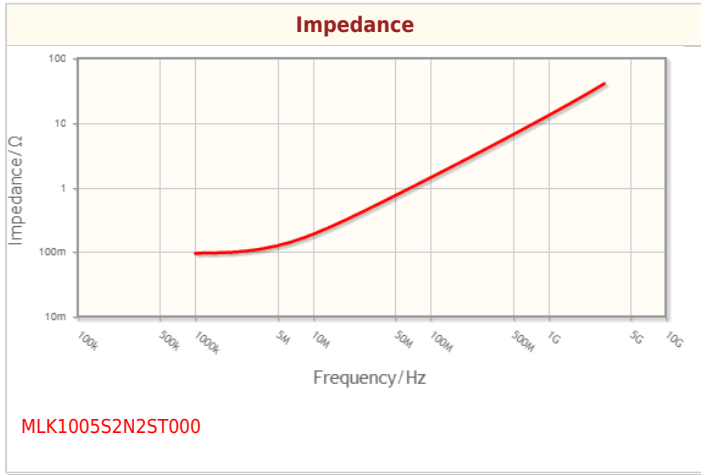
| Size | |
|------------------------------|----------------|
| Length(L) | 1.00mm ±0.10mm |
| Width(W) | 0.50mm ±0.10mm |
| Thickness Height | 0.50mm ±0.10mm |
| Recommended Land Pattern (A) | 0.50mm Nom. |
| Recommended Land Pattern (B) | 0.40mm Nom. |
| Recommended Land Pattern (C) | 0.50mm Nom. |

| Electrical Characteristics | |
|--------------------------------|------------------------|
| Inductance | 2.2nH ±0.3nH at 100MHz |
| Rated Current | 500mA |
| DC Resistance [Typ.] | 80mΩ |
| DC Resistance [Max.] | 180mΩ |
| Self Resonant Frequency [Min.] | 8GHz |
| Self Resonant Frequency [Typ.] | 9.6GHz |
| Q [Min.] | 6 at 100MHz |
| Q [Typ.] | 7 at 100MHz |

| Other | |
|---|--|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125°C |
| Soldering Method | Reflow |
| | Iron Soldering |
| AEC-Q200 | NO |
| 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.

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



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Associated Images

