



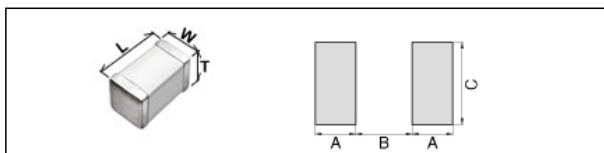


MLK1005S9N1JT000

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



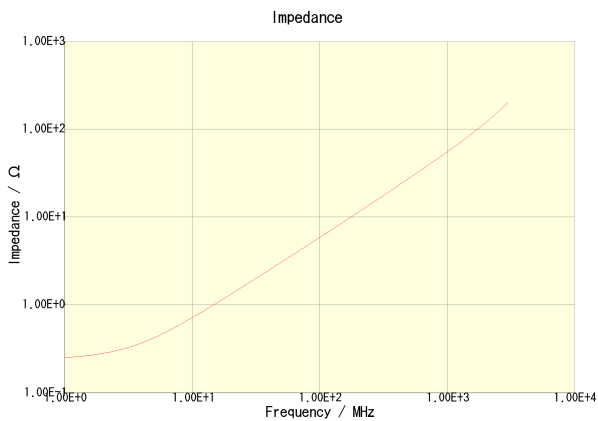
| Size | |
|------------------------------|------------------|
| Length(L) | 1.00mm +/-0.10mm |
| Width(W) | 0.50mm +/-0.10mm |
| Thickness(T) | 0.50mm +/-0.10mm |
| Recommended Land Pattern (A) | 0.50mm Nom. |
| Recommended Land Pattern (B) | 0.40mm Nom. |
| Recommended Land Pattern (C) | 0.50mm Nom.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

| Electrical Characteristics | |
|-----------------------------------------|-----------------------|
| Inductance | 9.1nH +/-5% at 100MHz |
| Rated Current (Temperature Rise) [Max.] | 350mA (20degC Rise) |
| Self-Resonant Frequency [Min.] | 4.8GHz |
| Self-Resonant Frequency [Typ.] | 5.8GHz |
| Q [Min.] | 7 at 100MHz |
| Q [Typ.] | 9 at 100MHz |
| DC Resistance [Nom.] | 230mΩ |
| DC Resistance [Max.] | 420mΩ |

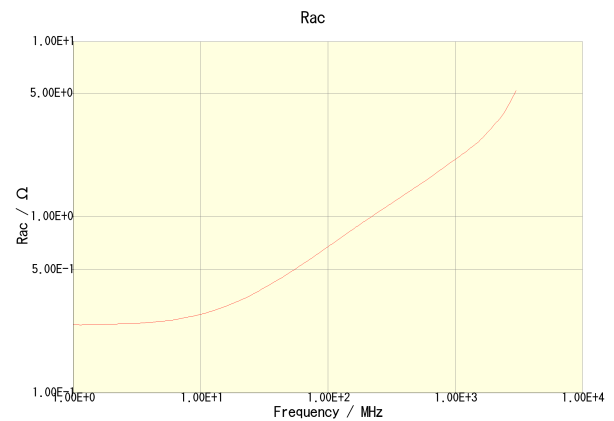
| Other | |
|---------------------------------------------------|------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125degC |
| Soldering Method | Reflow, Iron Soldering |
| AEC Q200 | No |
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity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

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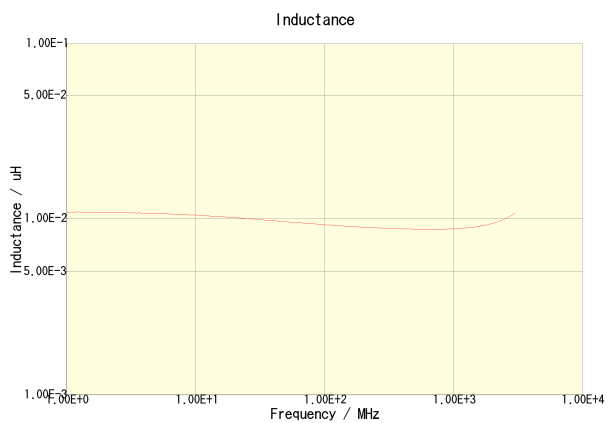
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



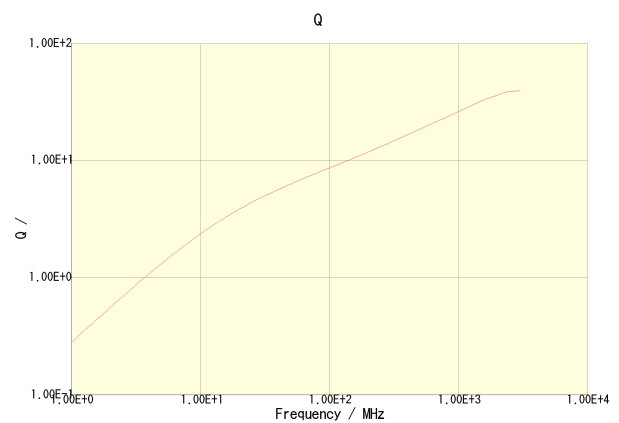
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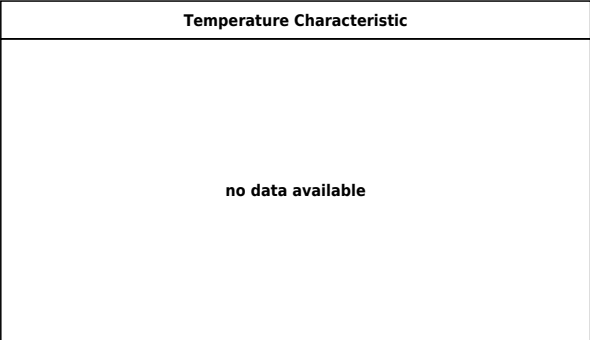
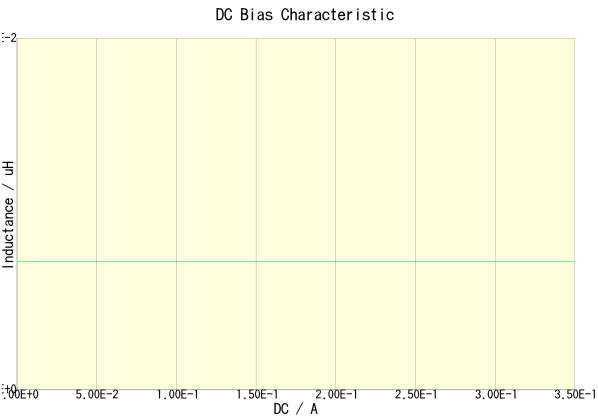
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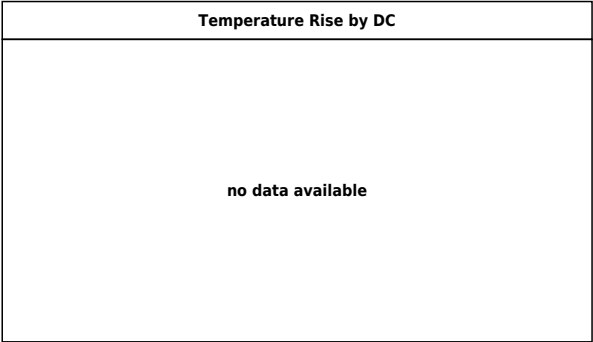
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MLK1005S9N1JT000(Amb. Temp. = 20degc)



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