





MLK1005S6N2ST000

| | | |
|--------------|---|--|
| 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. |

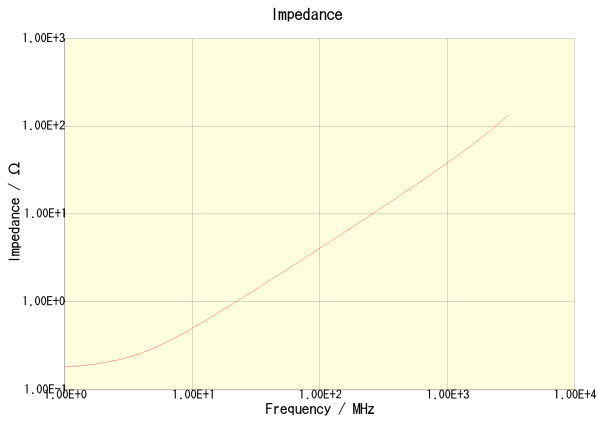
| Electrical Characteristics | |
|---|--------------------------|
| Inductance | 6.2nH +/-0.3nH at 100MHz |
| Rated Current (Temperature Rise) [Max.] | 400mA (20degC Rise) |
| Self-Resonant Frequency [Min.] | 5.6GHz |
| Self-Resonant Frequency [Typ.] | 6.5GHz |
| Q [Min.] | 7 at 100MHz |
| Q [Typ.] | 8 at 100MHz |
| DC Resistance [Nom.] | 180mΩ |
| DC Resistance [Max.] | 350mΩ |

| 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 |

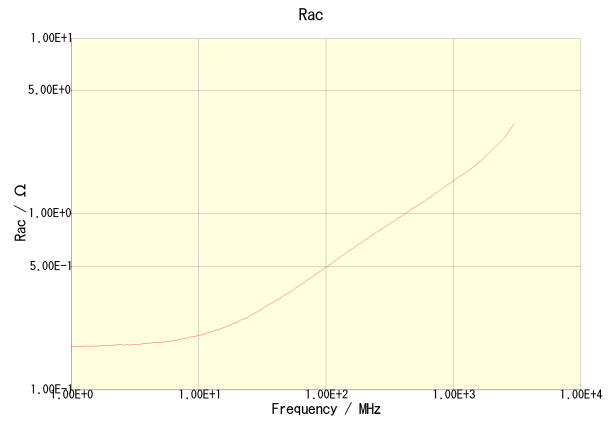
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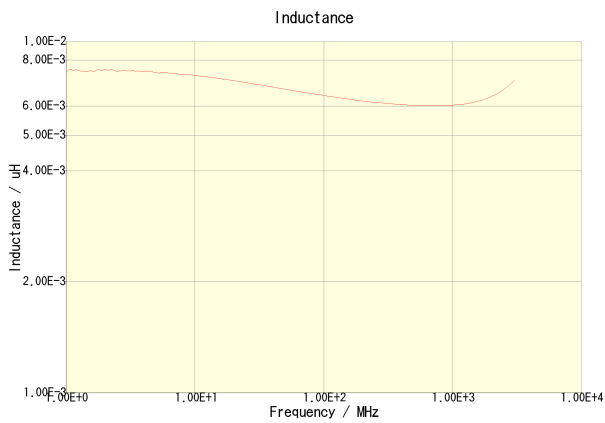
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



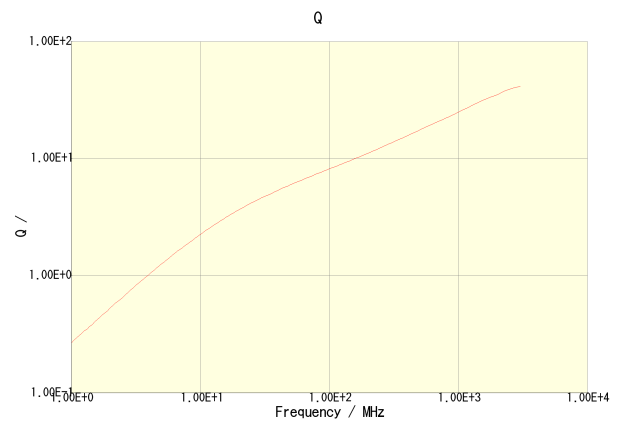
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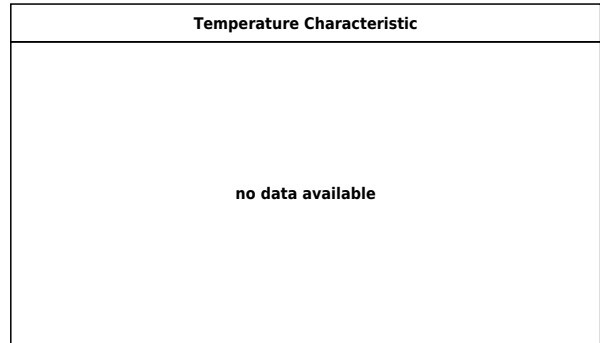
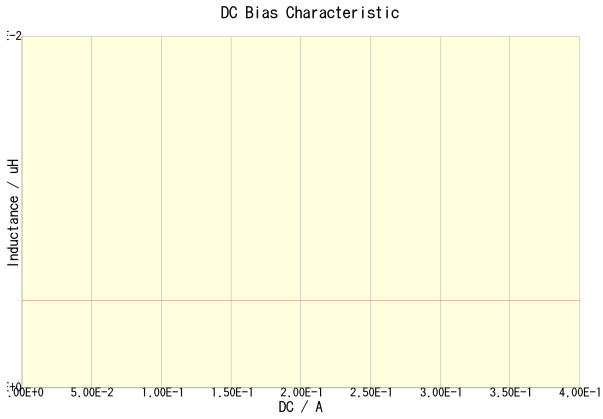


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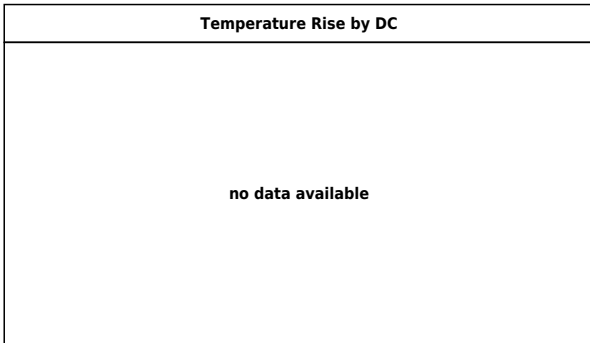
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MLK1005S6N2ST000(Amb. Temp. = 20degc)



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