




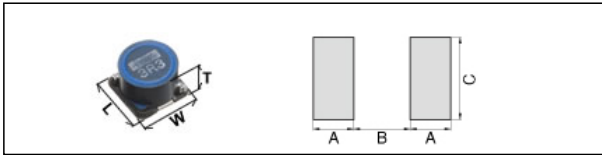


SLF7045T-100M1R8-H

| | | |
|--------------|---|------------------|
| Applications |  | Automotive Grade |
| Feature |  | Wire Wound |
| |  | Magnetic Shield |
| |  | Ferrite Core |
| |  | AEC-Q200 |
| Series | SLF-H Series / SLF7045-H Type | |
| Status | PROD | |



| Size | |
|------------------------------|------------------|
| Length(L) | 7.00mm +/-0.20mm |
| Width(W) | 7.00mm +/-0.20mm |
| Thickness(T) | 4.50mm +/-0.30mm |
| Recommended Land Pattern (A) | 1.50mm Nom. |
| Recommended Land Pattern (B) | 4.80mm Nom. |
| Recommended Land Pattern (C) | 2.20mm Nom. |

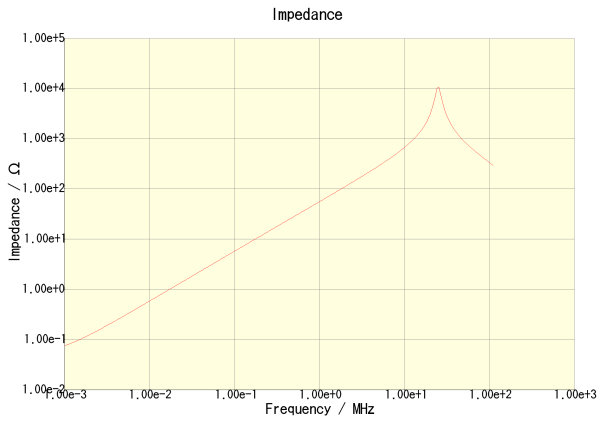
| Electrical Characteristics | |
|---|-----------------------|
| Inductance | 10uH +/-20% at 100kHz |
| Rated Current (L Change) [Max.] | 1.8A (10% Down) |
| Rated Current (Temperature Rise) [Typ.] | 1.81A (20degC Rise) |
| DC Resistance [Nom.] | 47mΩ |
| DC Resistance [Max.] | 56.4mΩ |

| Other | |
|---|--------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -40 to 125degC |
| Soldering Method | Reflow, Iron Soldering |
| AEC Q200 | Yes |
| Packing | Blister (Plastic)Taping [330mm Reel] |
| Package Quantity | 1000Pcs Min. |
| Weight | 0.57g |

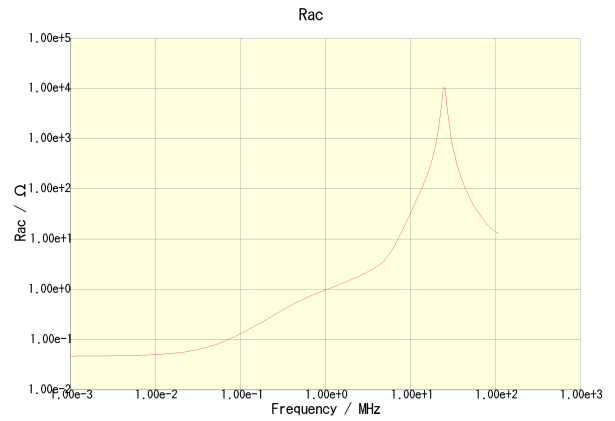
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 •All specifications are subject to change without notice.

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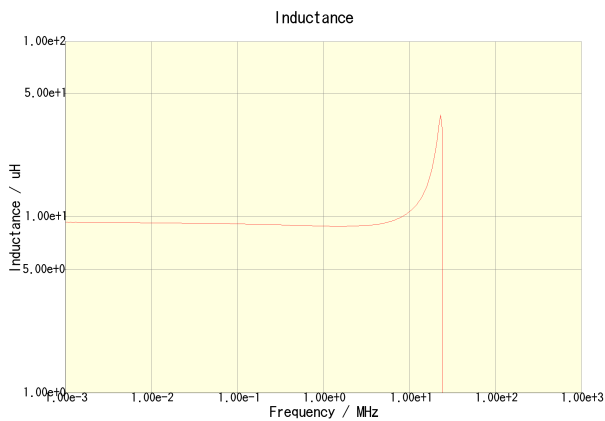
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



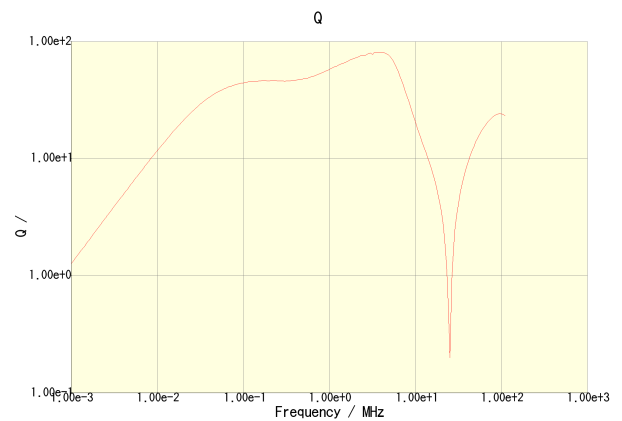
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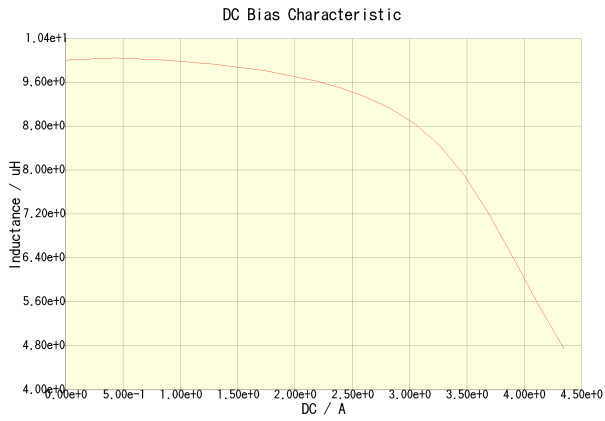


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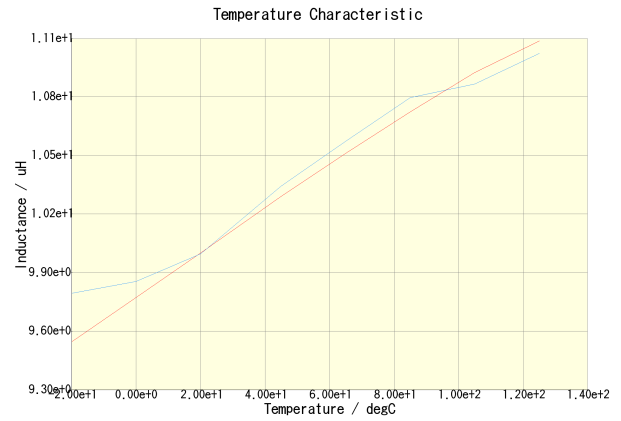
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Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



SLF7045T-100M1R8-H(Amb. Temp. = 20degc)



SLF7045T-100M1R8-H(DC = 0A)

SLF7045T-100M1R8-H(DC = 0.9A)

| Temperature Rise by DC |
|------------------------|
| no data available |

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