




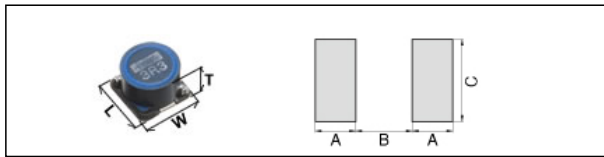


SLF7045T-4R7M2R1-H

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.

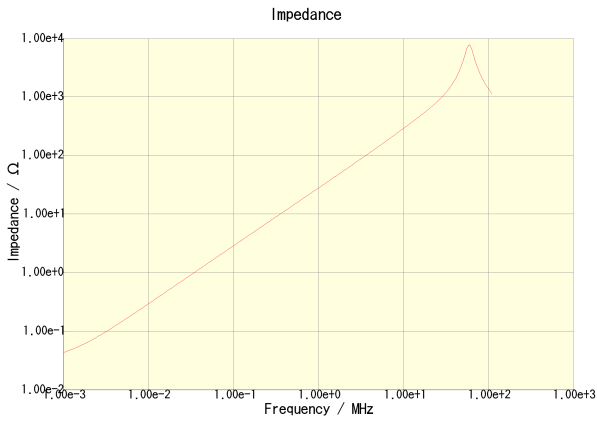
Electrical Characteristics	
Inductance	4.7uH +/-20% at 100kHz
Rated Current (L Change) [Max.]	2.1A (10% Down)
Rated Current (Temperature Rise) [Typ.]	2.1A (20degC Rise)
DC Resistance [Nom.]	31mΩ
DC Resistance [Max.]	37.2mΩ

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

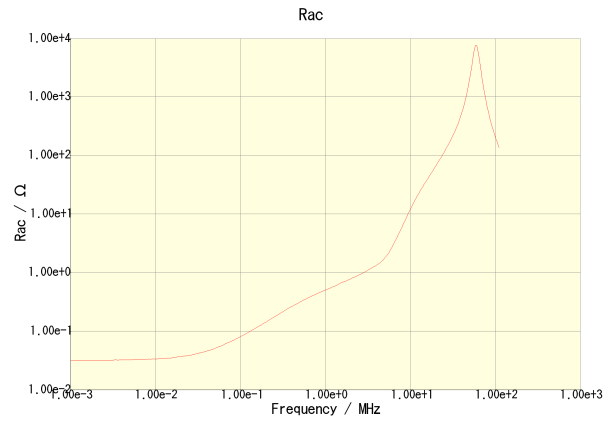
•This PDF document was created based on the data listed on the TDK Corporation website.
 •All specifications are subject to change without notice.

SLF7045T-4R7M2R1-H

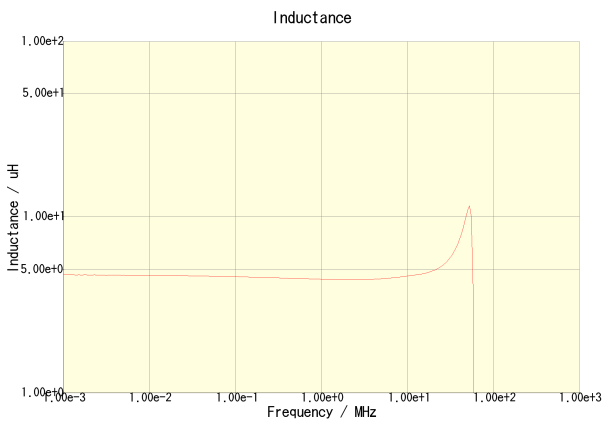
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



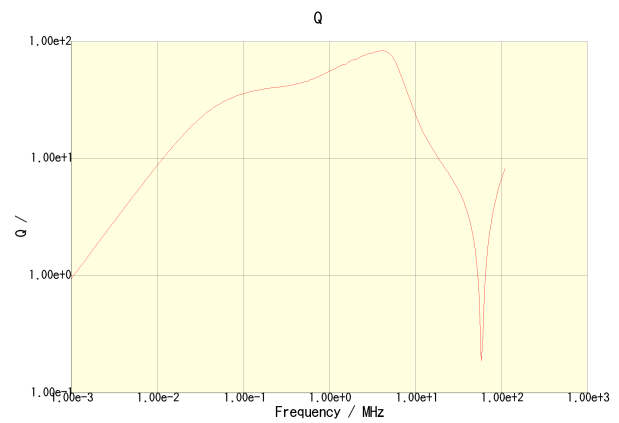
SLF7045T-4R7M2R1-H



SLF7045T-4R7M2R1-H



SLF7045T-4R7M2R1-H

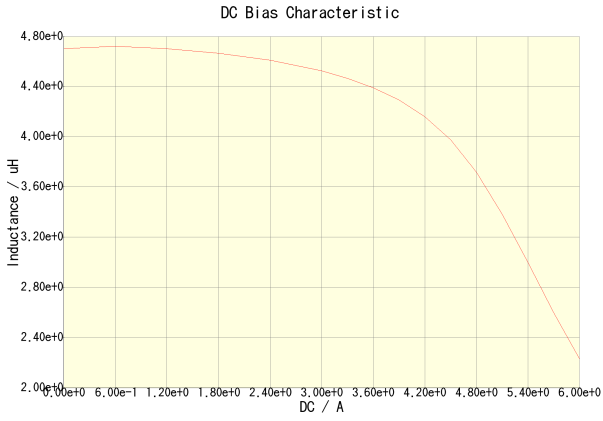


SLF7045T-4R7M2R1-H

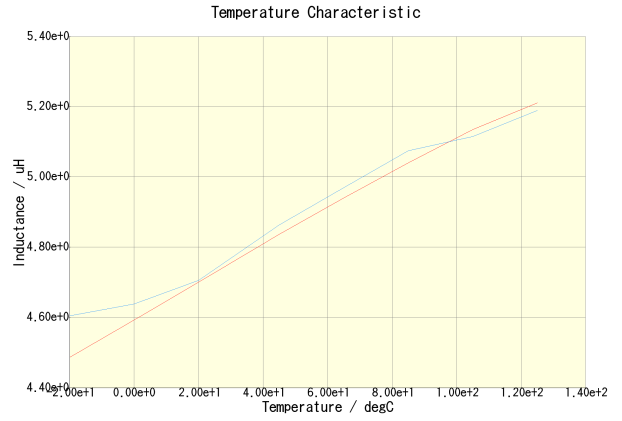
•This PDF document was created based on the data listed on the TDK Corporation website.
 •All specifications are subject to change without notice.

SLF7045T-4R7M2R1-H

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



SLF7045T-4R7M2R1-H(Amb. Temp. = 20degc)



SLF7045T-4R7M2R1-H(DC = 0A)

SLF7045T-4R7M2R1-H(DC = 1.05A)

Temperature Rise by DC
no data available

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