Creation Date : October 10, 2018 (GMT)

Inductors (Coils)

LTF5022T-101MR45-LC

RoHS | REACH SVHC-Free | Halogen Free | Lead Free

Applications	Commercial Grade
Feature	Shield Magnetic Shield Wire Wound Wire Wound Ferrite Core Ferrite Core
Series | Type	LTF
Status	Production
Brand	TDK



Size	
Length(L)	5.20mm Nom.
Width(W)	5.00mm ±0.10mm
Thickness | Height	2.20mm Max.
Recommended Land Pattern (A)	1.50mm Nom.
Recommended Land Pattern (B)	3.20mm Nom.
Recommended Land Pattern (C)	1.50mm Nom.

Electrical Characteristics	
Inductance	100µH ±20% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	450mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	530mA (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	1.07Ω
DC Resistance [Max.]	1.28Ω
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105°C
Soldering Method	Reflow
AEC-Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	500pcs
Weight	0.17g

! Images are for reference only and show exemplary products.
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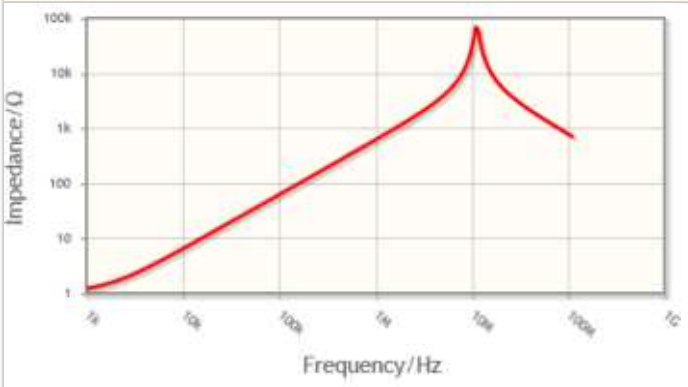
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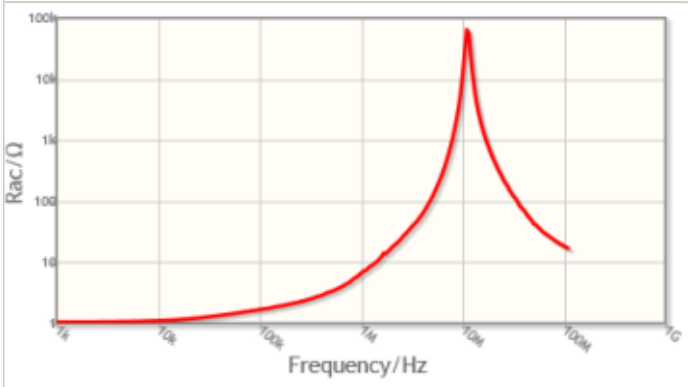
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



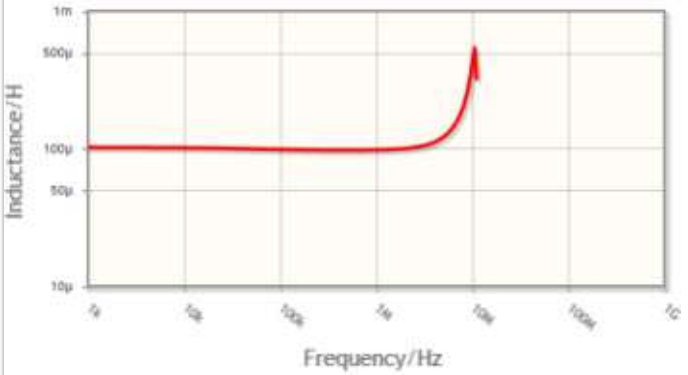
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Rac



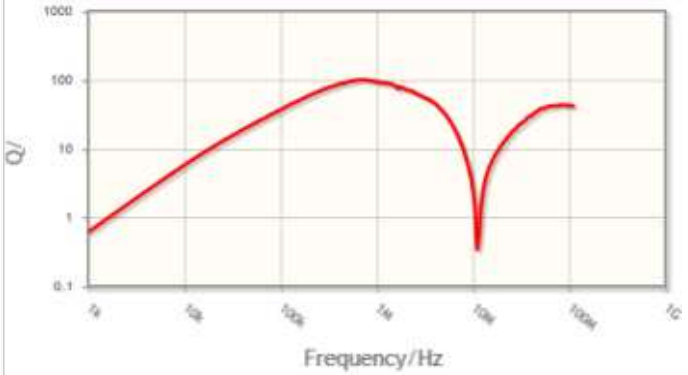
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Inductance



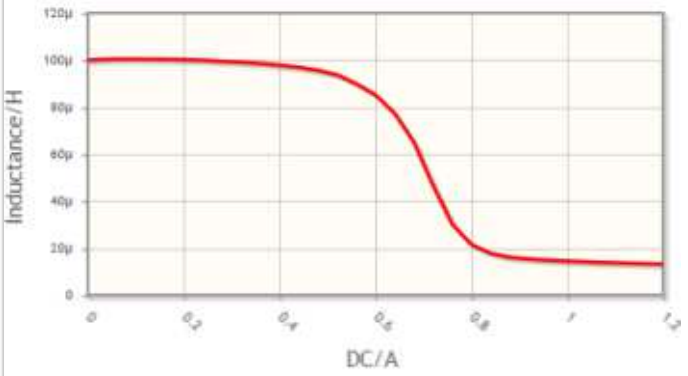
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Q



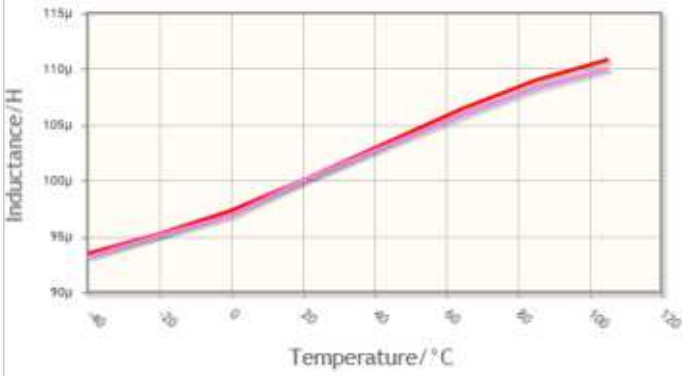
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DC Bias Characteristic



LTF5022T-101MR45-LC (Amb. Temp. = 20 °C)

Temperature Characteristic



LTF5022T-101MR45-LC(No Bias) LTF5022T-101MR45-LC(DC Bias = 0.23A)

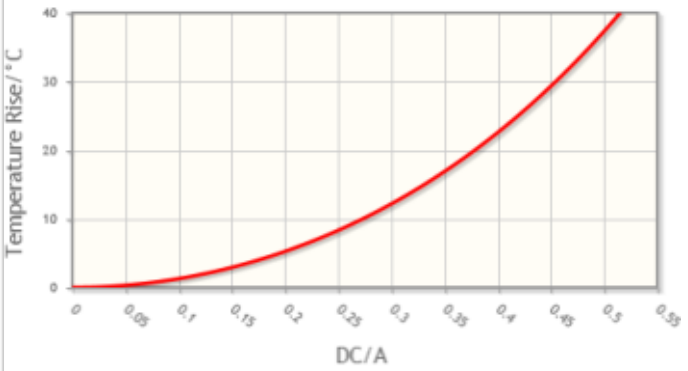
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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Temperature Rise by DC



LTF5022T-101MR45-LC (Amb. Temp. = 20 °C)

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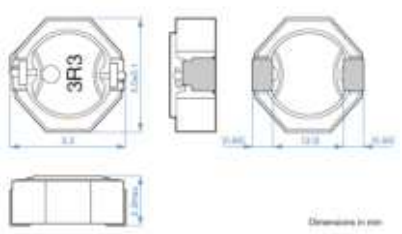
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Inductors (Coils)

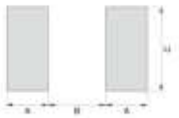
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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