Creation Date : September 21, 2020 (GMT)

Inductors (Coils)

RLF12560T-100M7R5

RoHS | REACH SVHC-Free | Lead Free

Applications	Commercial Grade
Feature	Shield Magnetic Shield Wire Wound Wire Wound Ferrite Core Ferrite Core
Series | Type	RLF
Status	EOL announced Recommended Alternate Part No. : CLF12555T-100M-D (Interchangeability is not guaranteed.) Discontinue Issue Date : May.28, 2020 Last Purchase Order Date : Mar.31, 2022 Last Shipment Date : Sep.30, 2022
Brand	TDK



Size	
Length(L)	12.80mm ±0.50mm
Width(W)	12.50mm ±0.50mm
Thickness | Height	6.00mm Max.
Recommended Land Pattern (A)	3.20mm Nom.
Recommended Land Pattern (B)	7.50mm Nom.
Recommended Land Pattern (C)	4.00mm Nom.

Electrical Characteristics	
Inductance	10µH ±20% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	7.5A (50% Down)
Rated Current (Temperature Rise) [Typ.]	7.8A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	12.4mΩ
DC Resistance [Max.]	14.88mΩ
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 Iron Soldering
AEC-Q200	No
Packing	Blister (Plastic)Taping [330mm Reel]

Package Quantity	500pcs
Weight	4g

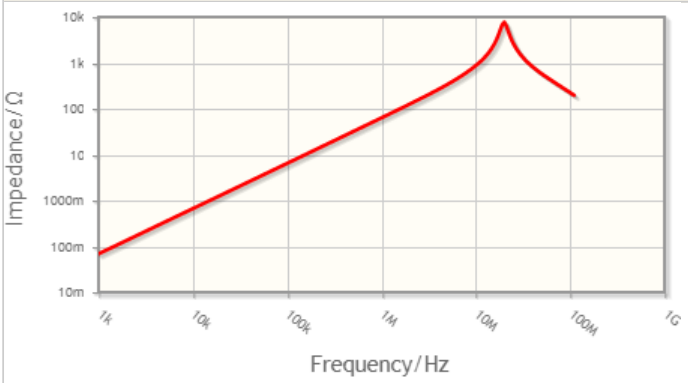
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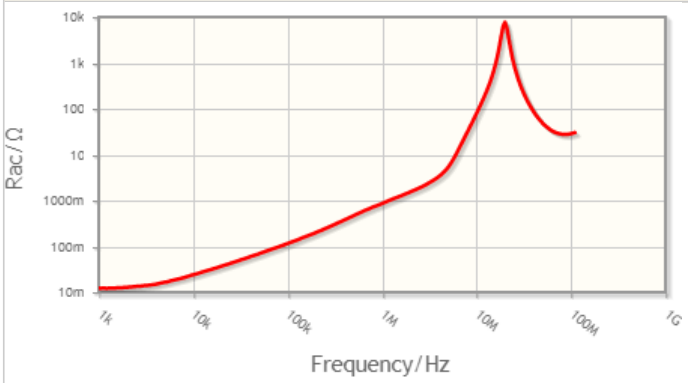
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



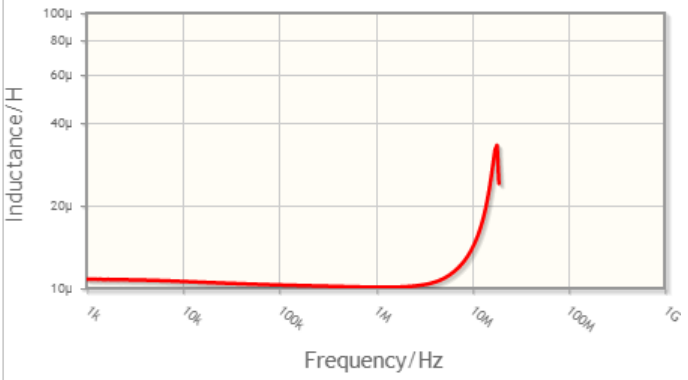
RLF12560T-100M7R5

Rac



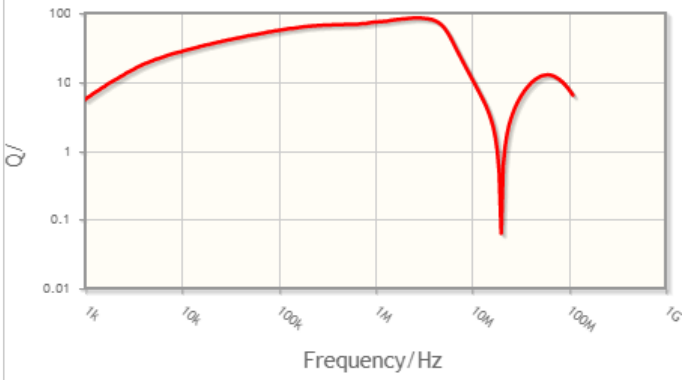
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Inductance



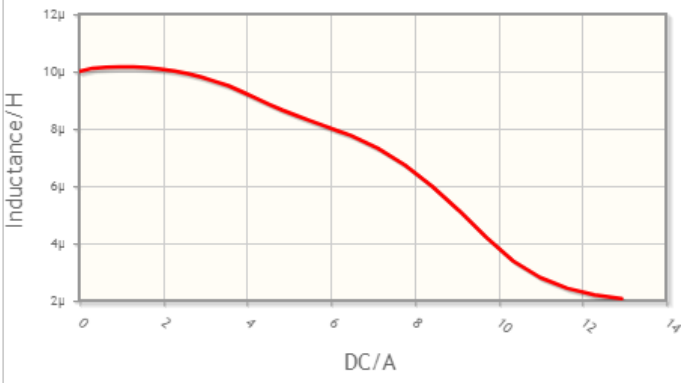
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Q



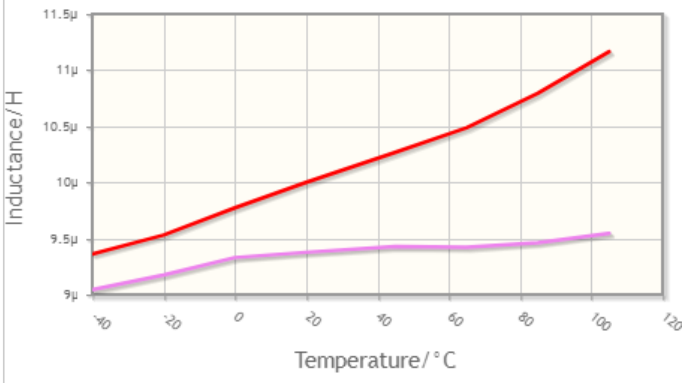
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DC Bias Characteristic



RLF12560T-100M7R5 (Amb. Temp. = 20 °C)

Temperature Characteristic

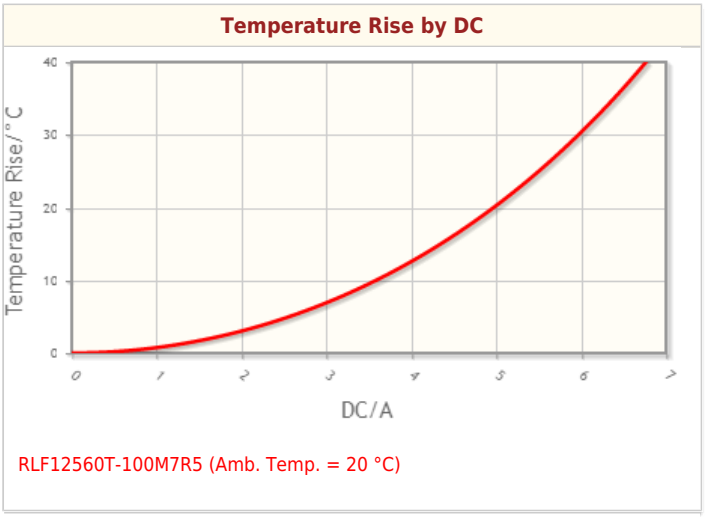


RLF12560T-100M7R5(No Bias) RLF12560T-100M7R5(DC Bias = 3.75A)

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



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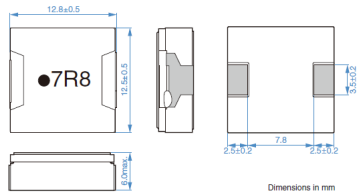
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Inductors (Coils)

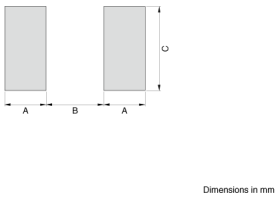
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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Global Electronic Components Distributor

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TDK:

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