SMD / SMT Inductors (Coils)

SLF7055T-220M1R7-3PF

Product Status	EOL Announced Recommended Alternate Part No. : VLS5045EX-220M (Interchangeability is not guaranteed.) Discontinue Issue Date : May.14, 2024 Last Purchase Order Date : Mar.31, 2026 Last Shipment Date : Dec.31, 2026
Applications	Commercial Grade
Feature	Wire WoundWire Wound ShieldMagnetic Shield Ferrite CoreFerrite Core
Series | Type	SLF
Brand	TDK
Environmental Compliance	RoHS REACH Lead Free



Size	
Length(L)	7.00mm ±0.20mm
Width(W)	7.00mm ±0.20mm
Thickness | Height	5.50mm ±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	22µH ±20% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	1.7A (10% Down)
Rated Current (Temperature Rise) [Typ.]	2A (30°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	64.3mΩ
DC Resistance [Max.]	77.2mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other	
Operating Temp. Range	-40 to 105°C (Including Self-Temp. Rise)

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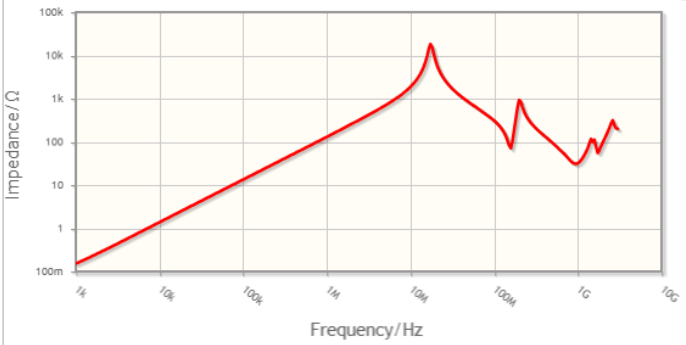
Soldering Method	Reflow Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [330mm Reel]
Package Quantity	1000pcs
Weight	0.8g
FIT (Failure In Time)	This will be displayed when you login to myTDK

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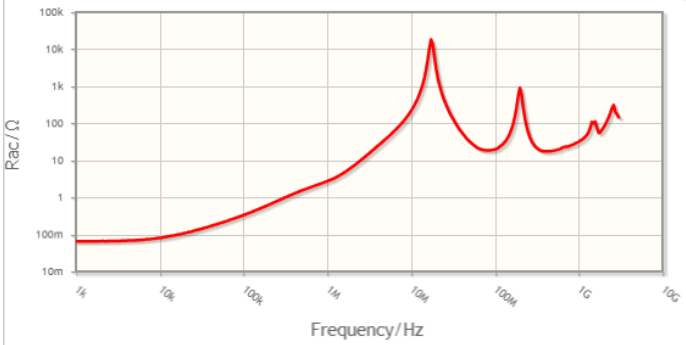
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



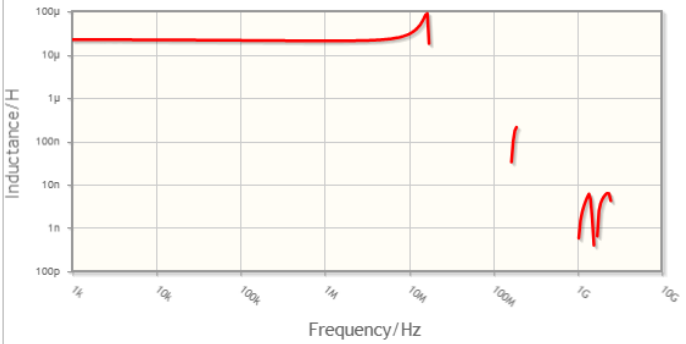
SLF7055T-220M1R7-3PF

Rac



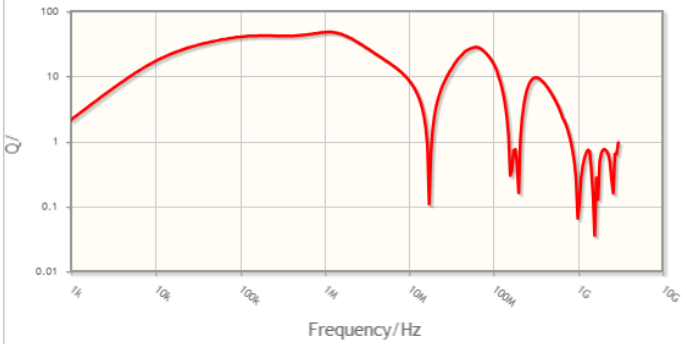
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Inductance



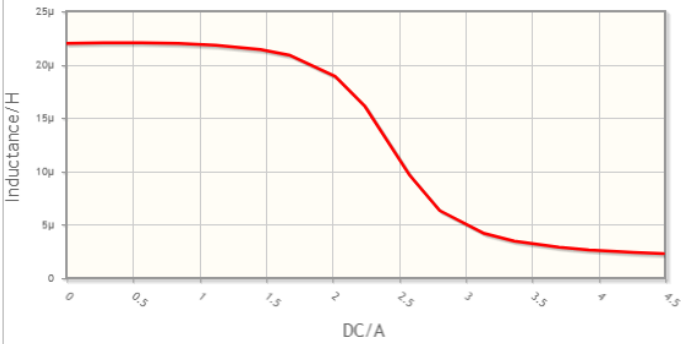
SLF7055T-220M1R7-3PF

Q



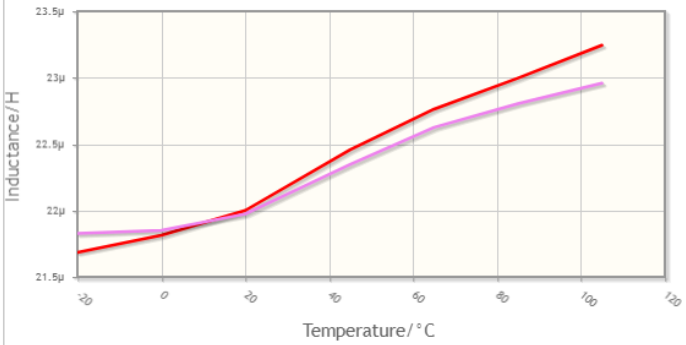
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DC Bias Characteristic



SLF7055T-220M1R7-3PF (Amb. Temp. = 20 °C)

Temperature Characteristic



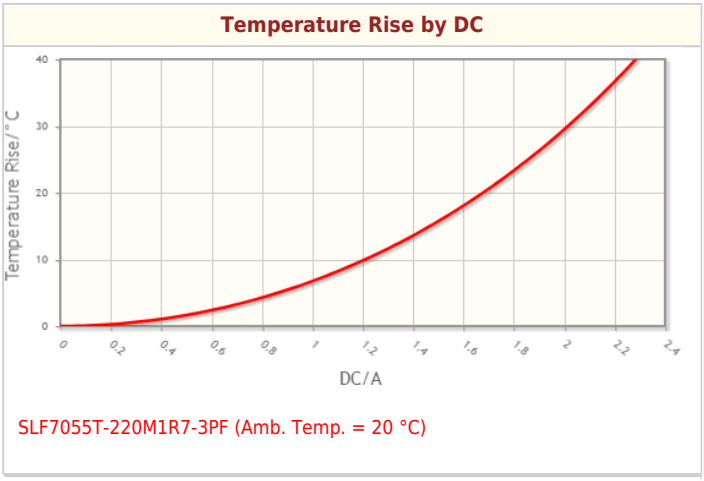
SLF7055T-220M1R7-3PF(No Bias)

SLF7055T-220M1R7-3PF(DC Bias = 0.85A)

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



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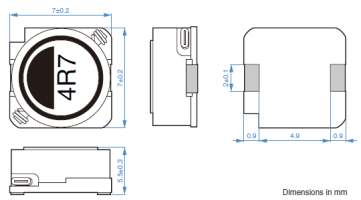
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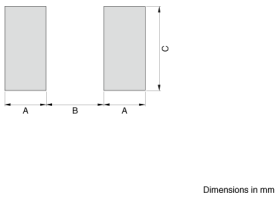
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Associated Images

Shapes and Dimensions



Land Pattern (Terminal Connection)



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