

EOL Announced

Recommended Alternate Part No. : [VLS5045EX-680M](#) (Interchangeability is not guaranteed.)

Product Status

Discontinue Issue Date : May.14, 2024

Last Purchase Order Date : Mar.31, 2026

Last Shipment Date : Dec.31, 2026

Applications

Commercial Grade

Wire WoundWire Wound

ShieldMagnetic Shield

Ferrite CoreFerrite Core

Series | Type

SLF

Brand

TDK

Environmental

RoHS



REACH



Lead Free

**Size**

Length(L)	6.00mm ± 0.20 mm
Width(W)	6.00mm ± 0.20 mm
Thickness Height	2.50mm ± 0.20 mm
Recommended Land Pattern (A)	1.50mm Nom.
Recommended Land Pattern (B)	4.00mm Nom.
Recommended Land Pattern (C)	2.20mm Nom.

Electrical Characteristics

Inductance	68 μ H $\pm 20\%$ at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	420mA (30% Down)
Rated Current (Temperature Rise) [Typ.]	540mA (25°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	370m Ω
DC Resistance [Max.]	444m Ω
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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! Images are for reference only and show exemplary products.

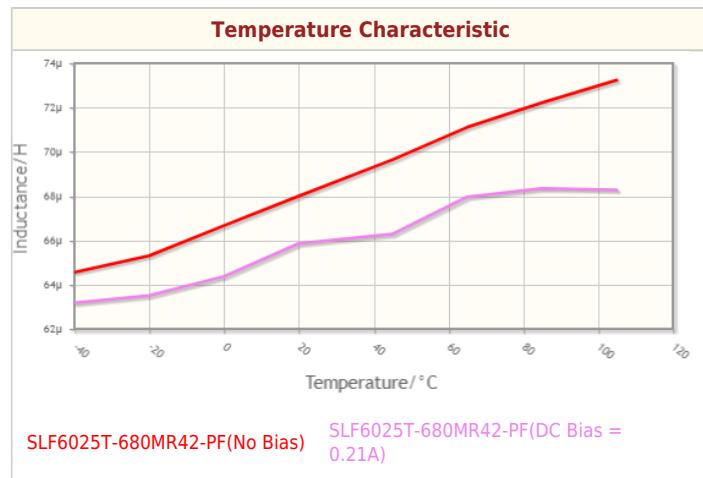
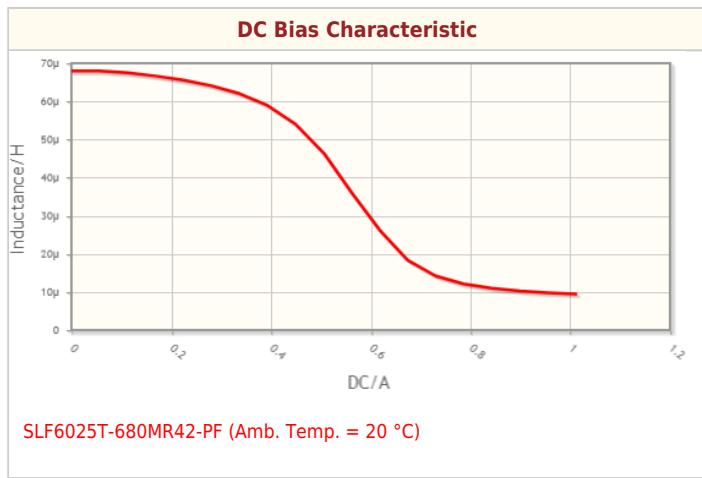
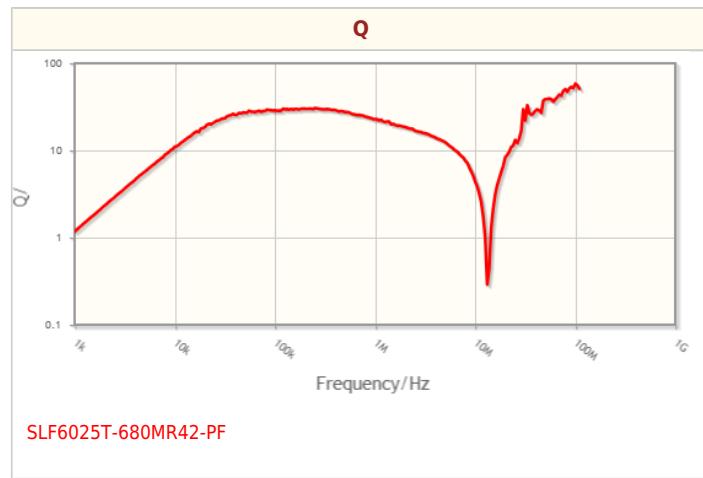
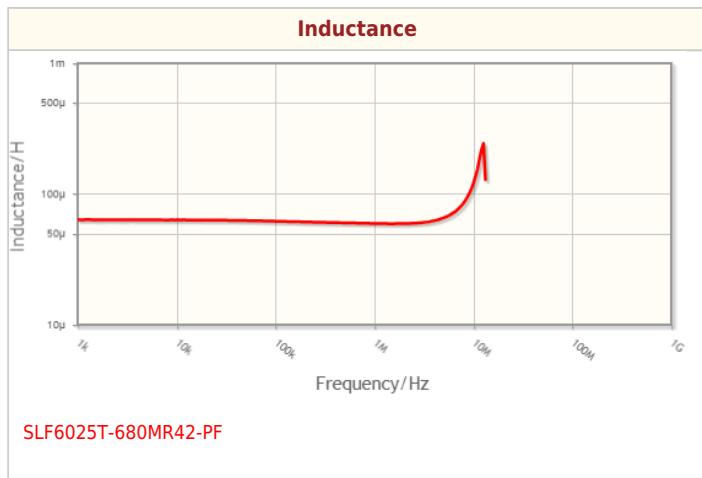
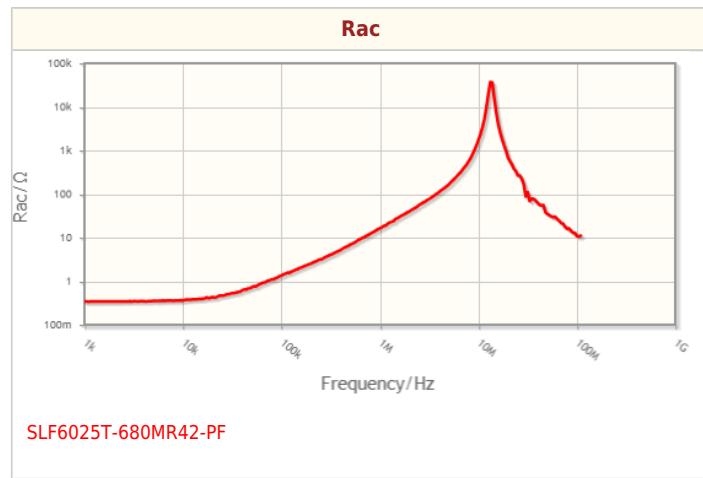
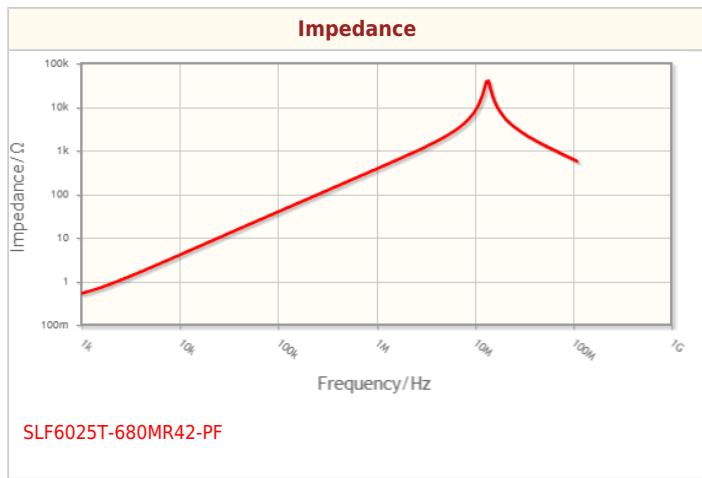
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Soldering Method	Reflow Iron Soldering
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [330mm Reel]
Package Quantity	1000pcs
Weight	0.3g

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

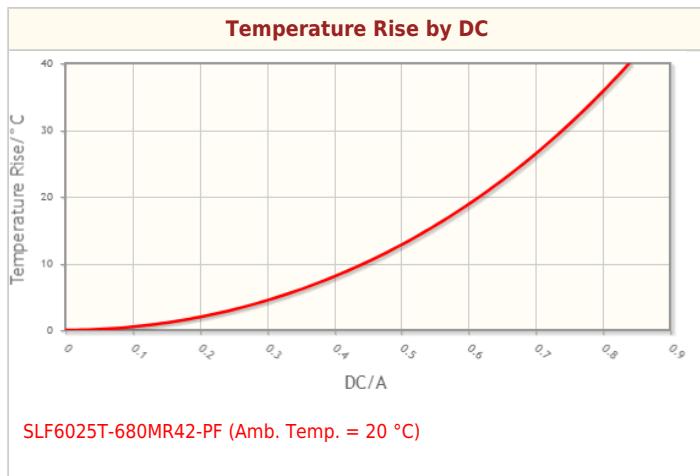


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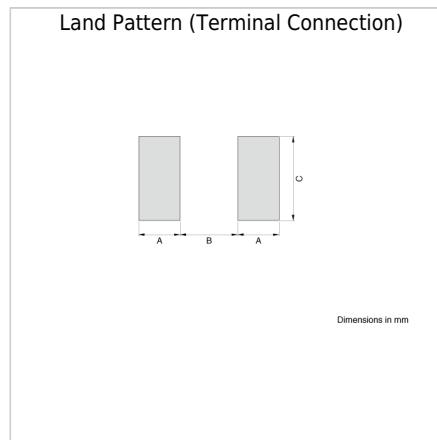
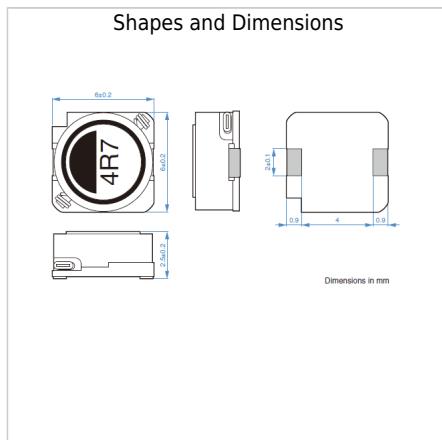
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Associated Images



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