

CLF6045NIT-100M-D

Product Status	Production
Applications	Automotive Grade
	AEC-Q200
Feature	Wire Wound
	Magnetic Shield
	Ferrite Core
Series Type	CLF-NI-D
Brand	TDK
Environmental Compliance	 RoHS  REACH  Halogen Free  Lead Free



Size	
Length(L)	6.30mm ± 0.20 mm
Width(W)	6.00mm ± 0.20 mm
Thickness Height	4.50mm ± 0.30 mm
Recommended Land Pattern (A)	2.10mm Nom.
Recommended Land Pattern (B)	2.80mm Nom.
Recommended Land Pattern (C)	2.20mm Nom.

Electrical Characteristics	
Inductance	10 μ H $\pm 20\%$ at 100kHz
Rated Current (L Change) [Typ.]	2.6A (30% Down)
Rated Current (L Change) [Max.]	2.1A (30% Down)
Rated Current (Temperature Rise) [Typ.]	2.6A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	35m Ω
DC Resistance [Max.]	42m Ω
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other	
Operating Temp. Range	-55 to 150°C (Including Self-Temp. Rise)
Soldering Method	Reflow Iron Soldering
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [330mm Reel]

! Images are for reference only and show exemplary products.

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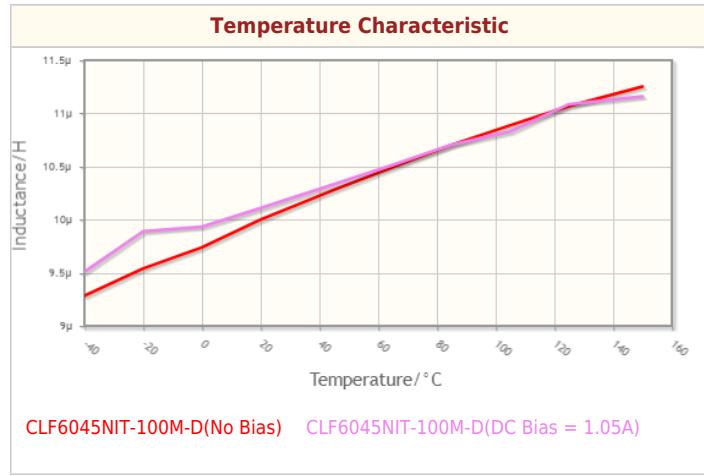
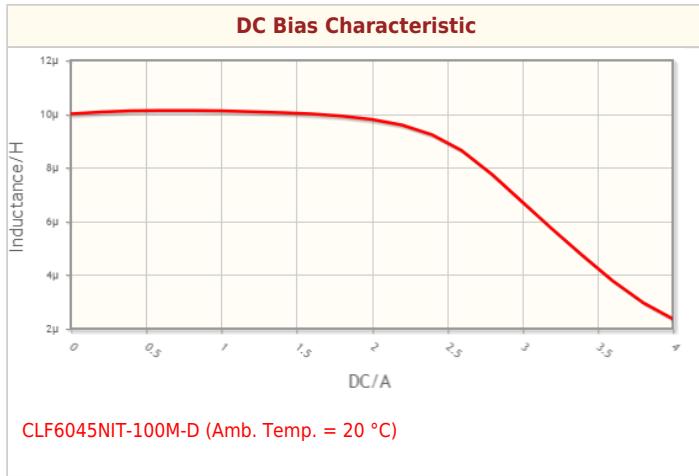
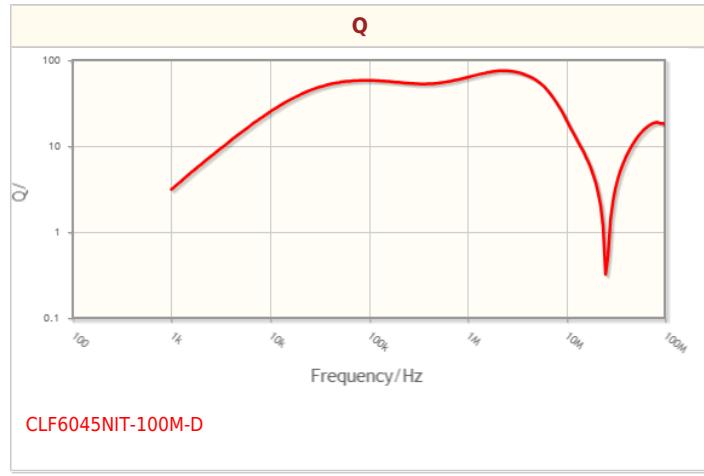
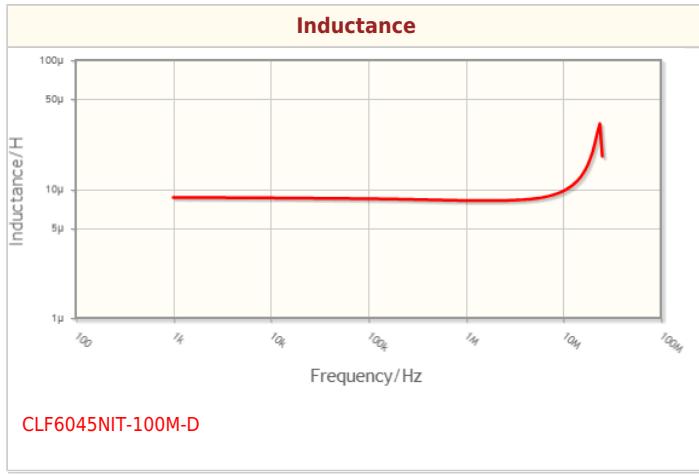
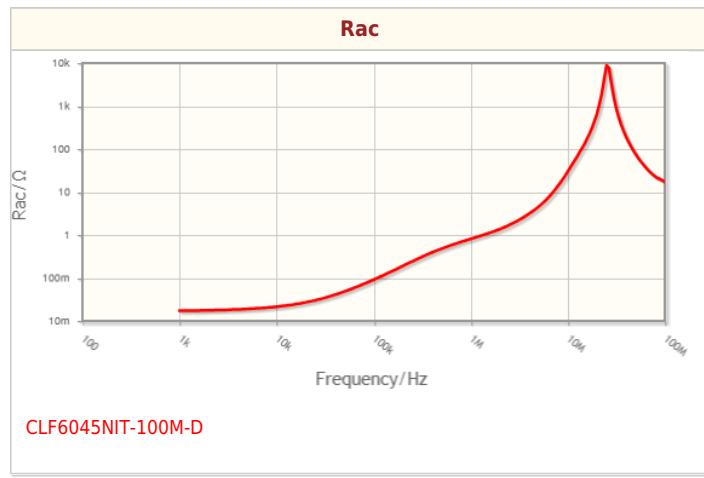
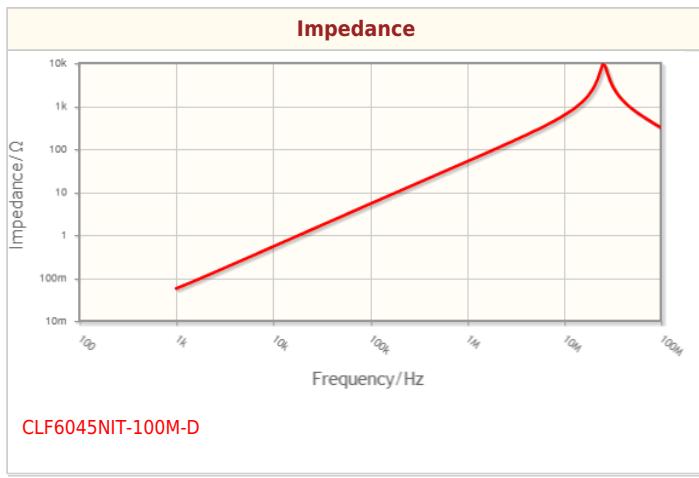
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Package Quantity	1000pcs
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Weight	0.6g
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Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)

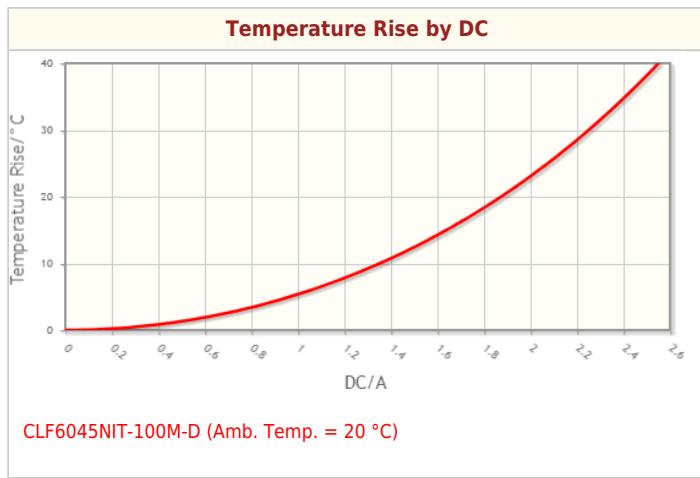


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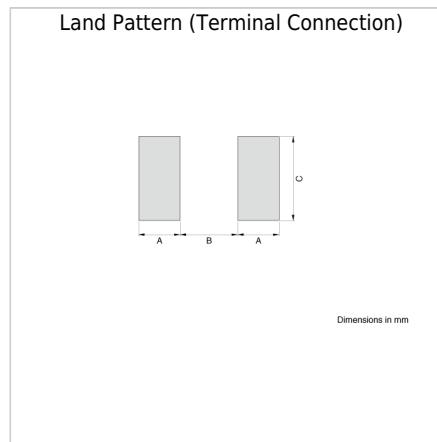
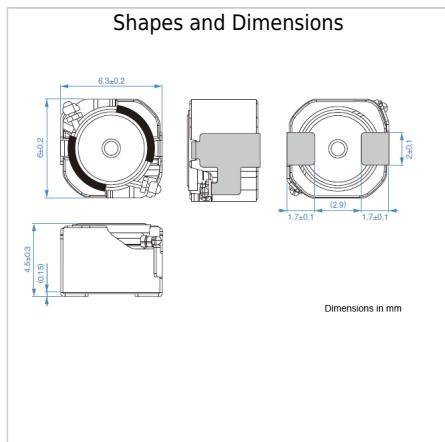
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Associated Images



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