



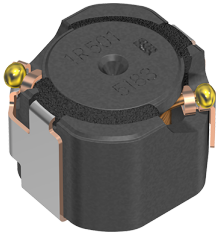


Product Status	Production
Applications	Automotive Grade
Feature	AEC-Q200AEC-Q200
	Wire WoundWire Wound
	ShieldMagnetic Shield
	Ferrite CoreFerrite Core
Series Type	CLF-NI-D
Brand	TDK
Environmental Compliance	<div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div>



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

Electrical Characteristics	
Inductance	10μH ±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.]	35mΩ
DC Resistance [Max.]	42mΩ
Rated Voltage [Max.]	
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

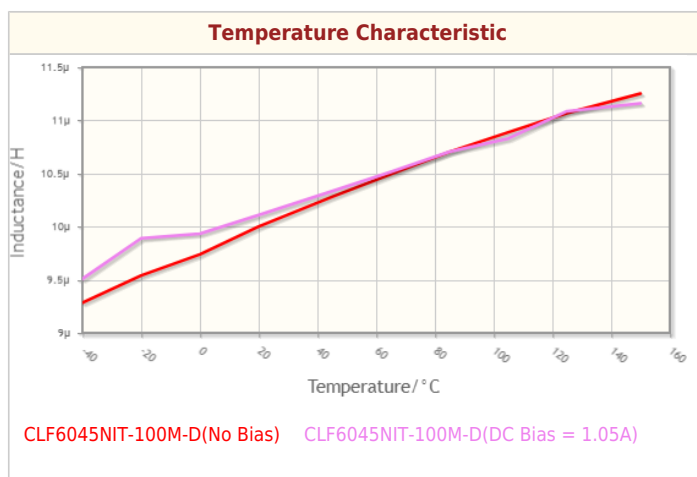
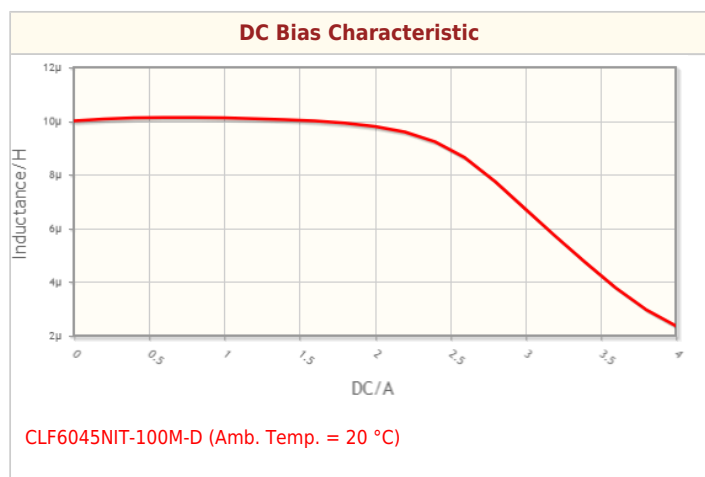
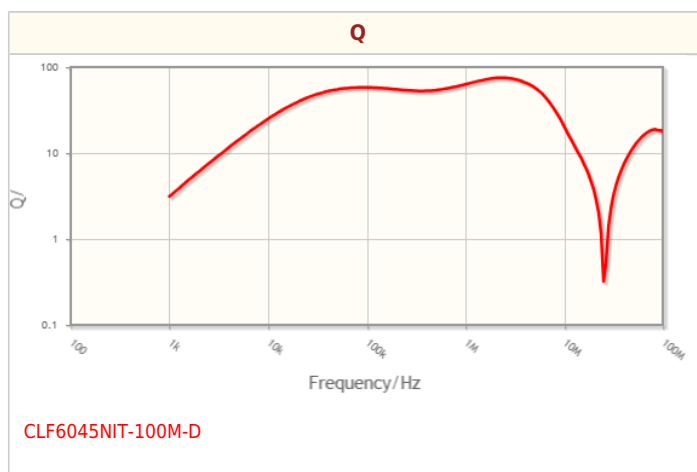
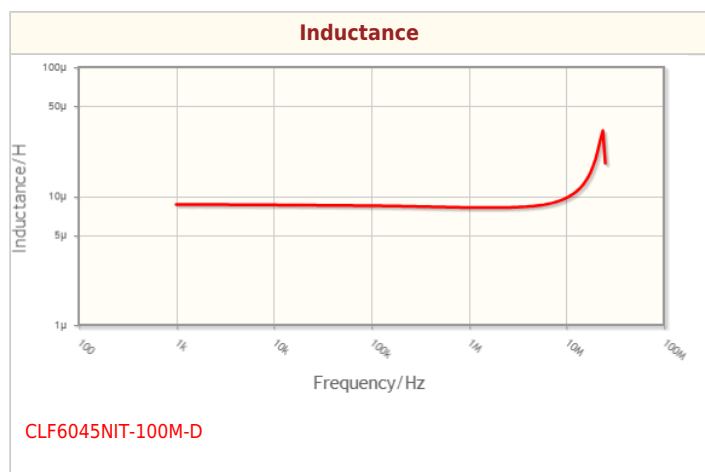
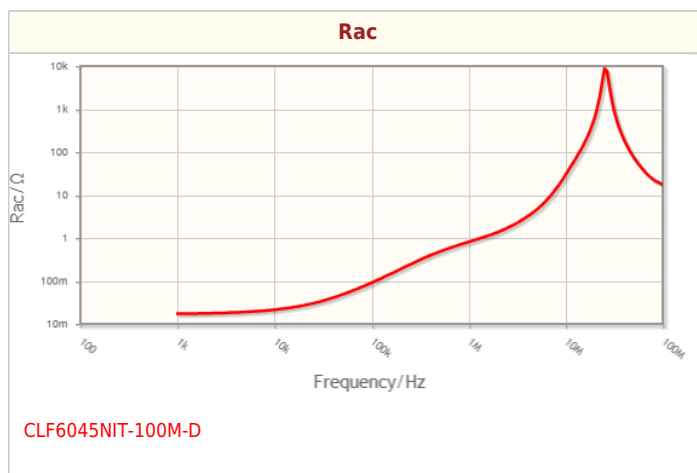
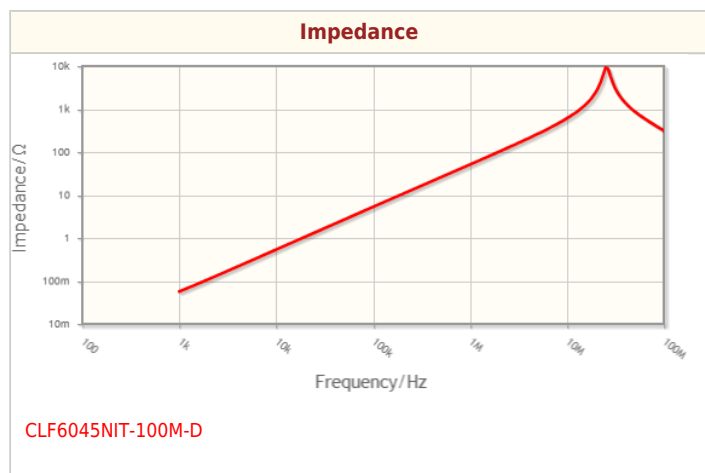
Other	
Operating Temp. Range	-55 to 150°C (Including Self-Temp. Rise)
Soldering Method	Reflow
	Iron Soldering
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [330mm Reel]

! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

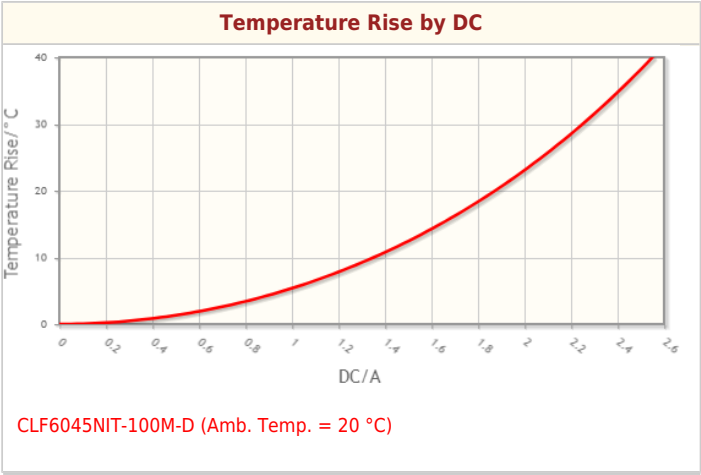
Package Quantity	1000pcs
Weight	0.6g

CLF6045NIT-100M-D

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



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Associated Images

