

Applications Commercial Grade

Wire Wound Wire Wound

Feature **Shield** Magnetic Shield

Ferrite Core Ferrite Core

Series | Type VLCF

Status Production

Brand TDK



Size

Length(L)	5.00mm ±0.20mm
Width(W)	5.00mm ±0.20mm
Thickness Height	2.00mm Max.
Recommended Land Pattern (A)	2.10mm Nom.
Recommended Land Pattern (B)	1.30mm Nom.
Recommended Land Pattern (C)	3.00mm Nom.
Recommended Land Pattern (D)	4.90mm Nom.

Electrical Characteristics

Inductance	6.8μH ±30% at 100kHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	1.39A (30% Down)
Rated Current (Temperature Rise) [Typ.]	1.8A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	138mΩ
DC Resistance [Max.]	165mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other

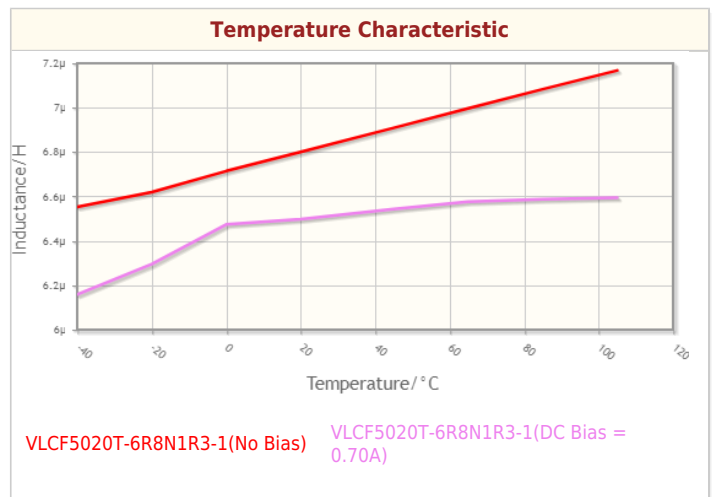
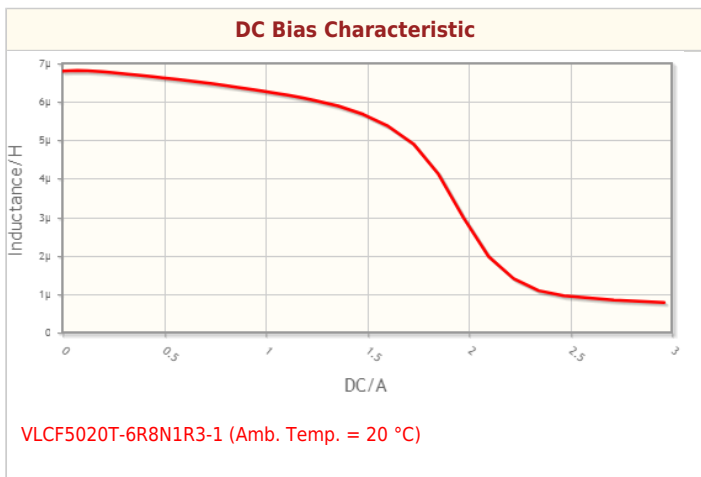
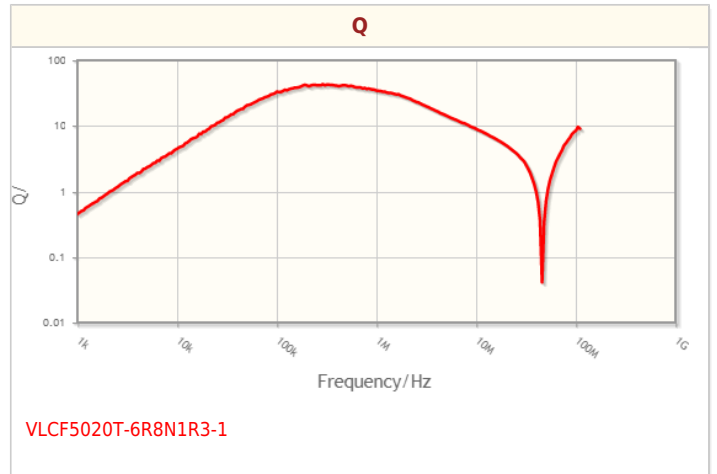
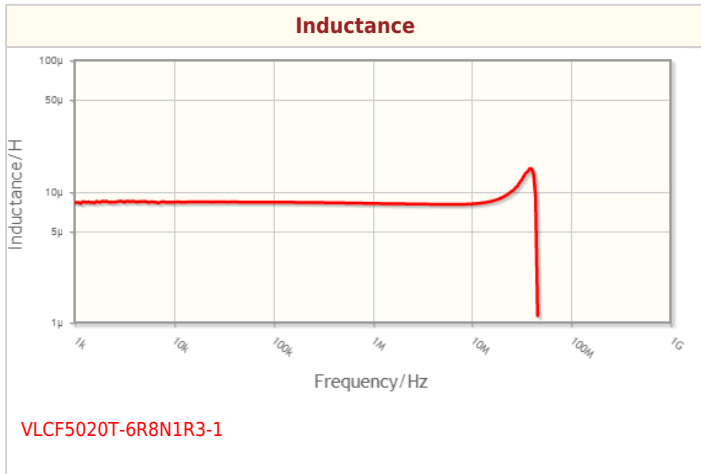
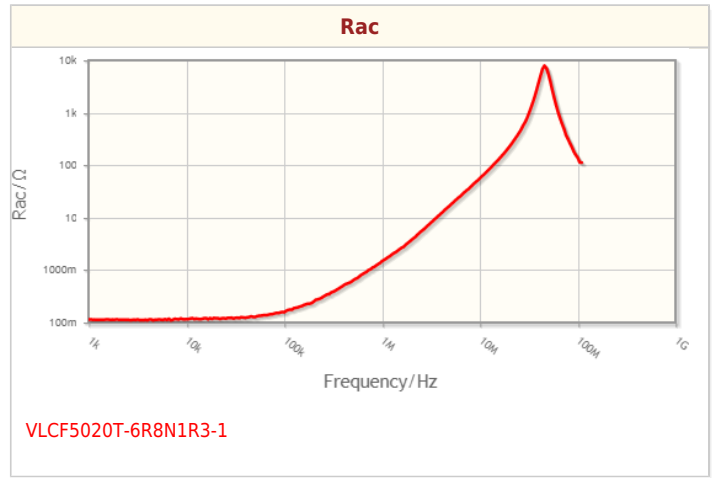
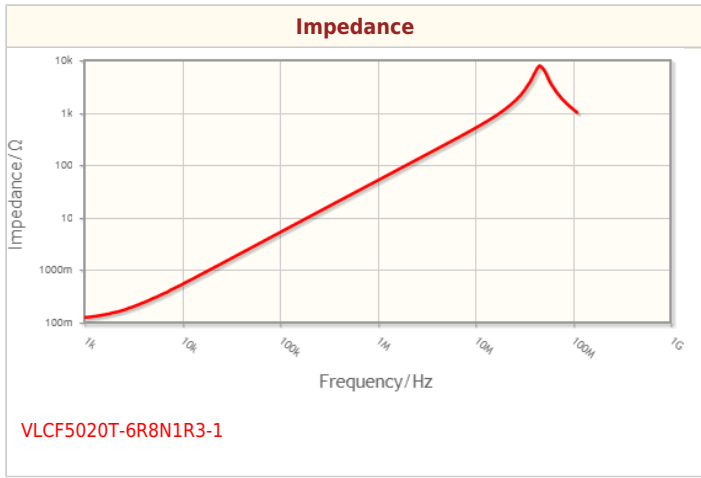
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105°C
Soldering Method	Reflow
AEC-Q200	NO
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	500pcs
Weight	0.18g

! Images are for reference only and show exemplary products.

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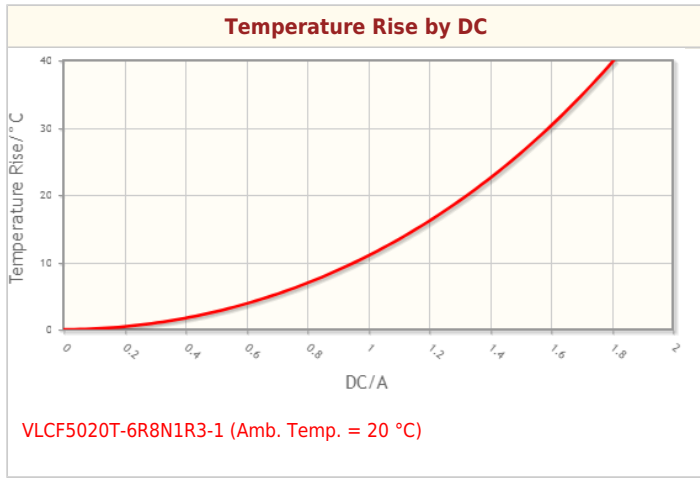
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Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



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