RoHS Reach Halogen Free Pb Free



VLS3012CX-100M-1

Applications	Commercial Grade
	Wire Wound
Feature	Shield Magnetic Shield
	Ferrite Core
Series   Type	VLS-CX-1
Status	Production
Brand	TDK



Size		
Length(L)	3.00mm ±0.20mm	
Width(W)	3.00mm ±0.20mm	
Thickness   Height	1.20mm Max.	
Recommended Land Pattern (A)	1.00mm Nom.	
Recommended Land Pattern (B)	1.00mm Nom.	
Recommended Land Pattern (C)	3.00mm Nom.	

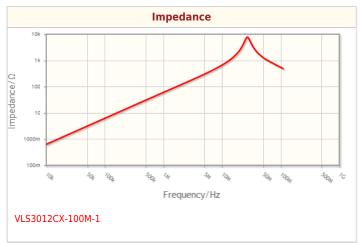
Electrical Characteristics				
Inductance	10μH ±20% at 1MHz			
Rated Current (L Change) [Typ.]	1.1A (30% Down)			
Rated Current (L Change) [Max.]	1A (30% Down)			
Rated Current (Temperature Rise) [Typ.]	1.25A (40°C Rise)			
Rated Current (Temperature Rise) [Max.]	1.12A (40°C Rise)			
DC Resistance [Typ.]	270mΩ			
DC Resistance [Max.]	324mΩ			
Self Resonant Frequency [Min.]				
Self Resonant Frequency [Typ.]				
Q [Min.]				
Q [Typ.]				

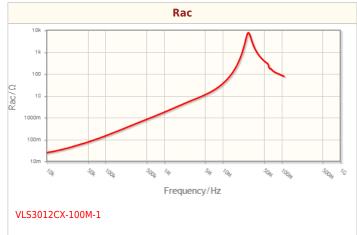
Other		
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105°C	
Soldering Method	Reflow	
AEC-Q200	NO	
Packing	Embossed (Plastic)Taping [180mm Reel]	
Package Quantity	2000pcs	
Weight	0.046g	

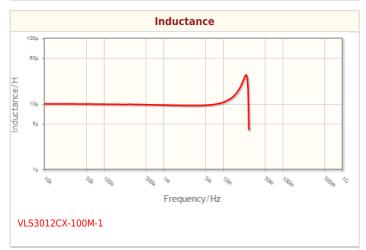
<sup>!</sup> Images are for reference only and show exemplary products. ! This PDF document was created based on the data listed on the TDK Corporation website.

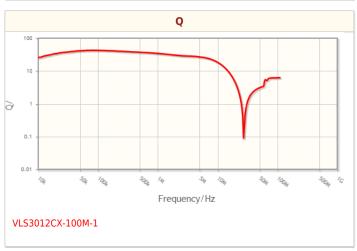
<sup>!</sup> All specifications are subject to change without notice.

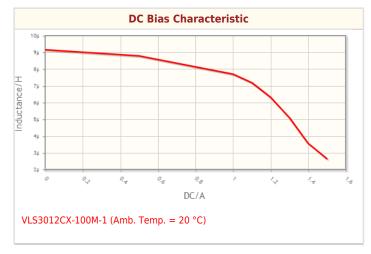
## Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

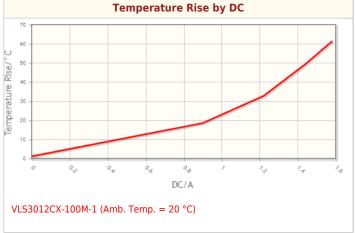










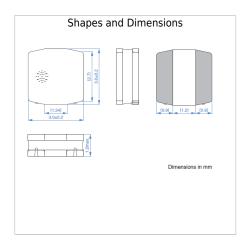


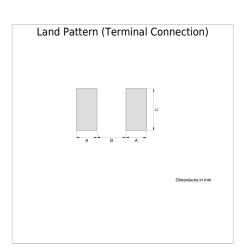
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## **Associated Images**





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