Creation Date : March 24, 2021 (GMT)

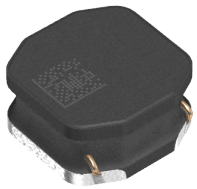
SMD / SMT Inductors (Coils)

VLS3015CX-1R0M-H New

Product

RoHS Reach Halogen Free Pb Free

Applications	Automotive Grade
Feature	AEC-Q200 AEC-Q200 Wire Wound Wire Wound Shield Magnetic Shield Ferrite Core Ferrite Core
Series | Type	VLS-CX-H
Status	Production
Brand	TDK



Size	
Length(L)	3.00mm ±0.20mm
Width(W)	3.00mm ±0.20mm
Thickness | Height	1.50mm 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	1µH ±20% at 1MHz
Rated Current (L Change) [Typ.]	2.87A (30% Down)
Rated Current (L Change) [Max.]	2.3A (30% Down)
Rated Current (Temperature Rise) [Typ.]	3.7A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	2.96A (40°C Rise)
DC Resistance [Typ.]	32mΩ
DC Resistance [Max.]	38mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

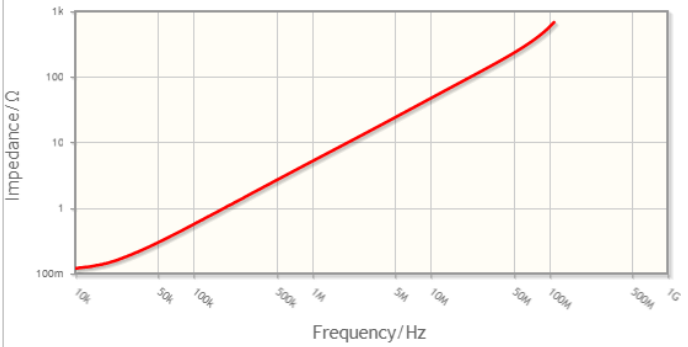
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 125°C
Soldering Method	Reflow
AEC-Q200	YES
Packing	Embossed (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.057g

! 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.

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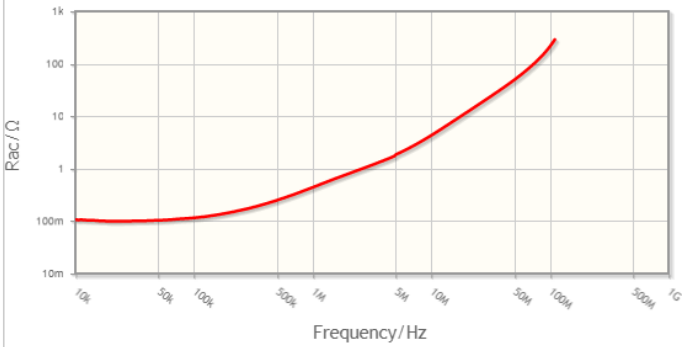
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

Impedance



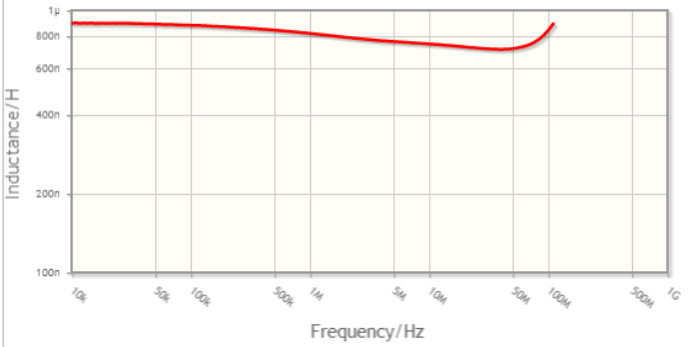
VLS3015CX-1R0M-H

Rac



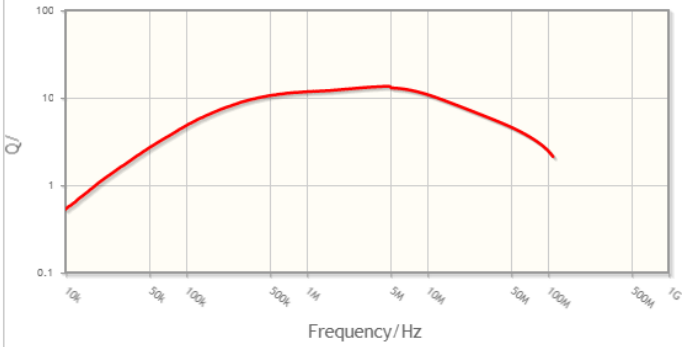
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Inductance



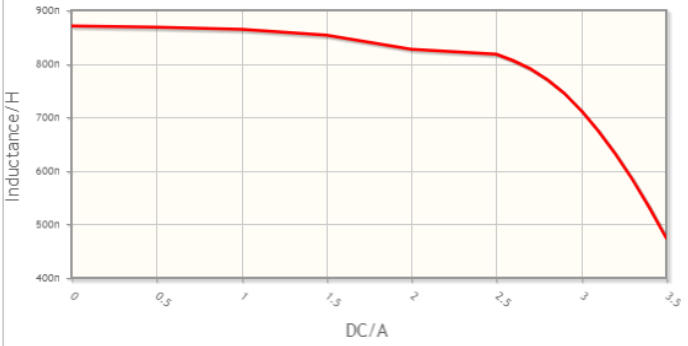
VLS3015CX-1R0M-H

Q



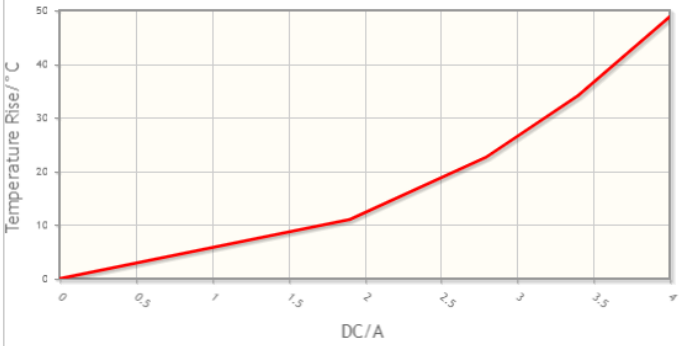
VLS3015CX-1R0M-H

DC Bias Characteristic



VLS3015CX-1R0M-H (Amb. Temp. = 20 °C)

Temperature Rise by DC



VLS3015CX-1R0M-H (Amb. Temp. = 20 °C)

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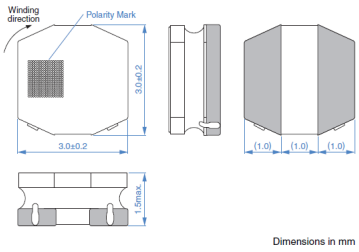
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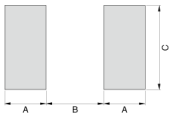
Associated Images

Shapes and Dimensions



Dimensions in mm

Land Pattern (Terminal Connection)



Dimensions in mm

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