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Inductors(Coils) **Inductors(Coils)**

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VLS201610HBX-3R3M-1 Inductors(Coils)

Applications



Commercial Grade

Feature

Wire Wound

Wire Wound

Shield

Magnetic Shield

Metal Core

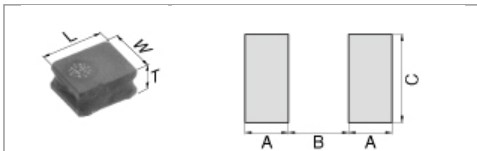
Metal Core

Series

VLS-HBX-1 Series / VLS201610HBX-1 Type

Status

Production



Buy Now (Distributor Inventory Check)



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RoHS Certificate



REACH Certificate



Product Lineup



FAQ



[FAQ] What is a magnetic shield type?



Design Tools

Size

Length(L)	2.00mm +/-0.20mm
Width(W)	1.60mm +/-0.20mm
Thickness(T)	1.00mm Max.
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.60mm Nom.

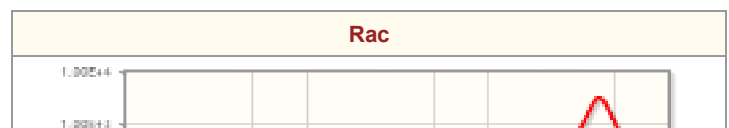
Electrical Characteristics

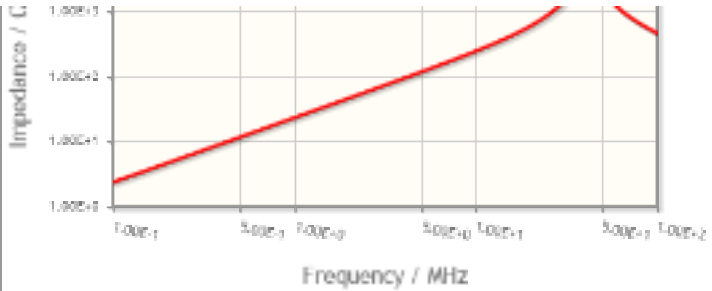
Inductance	3.3uH +/-20% at 1MHz
Rated Current (L Change) [Typ.]	1.35A (30% Down)
Rated Current (L Change) [Max.]	1.2A (30% Down)
Rated Current (Temperature Rise) [Typ.]	1.2A (40degC Rise)
Rated Current (Temperature Rise) [Max.]	1.02A (40degC Rise)
DC Resistance [Nom.]	210mΩ
DC Resistance [Max.]	252mΩ

Other

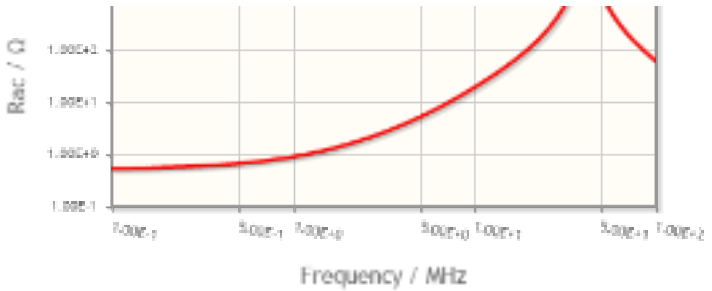
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC
Soldering Method	Reflow
AEC Q200	No
Packing	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000Pcs Min.
Weight	0.016g

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





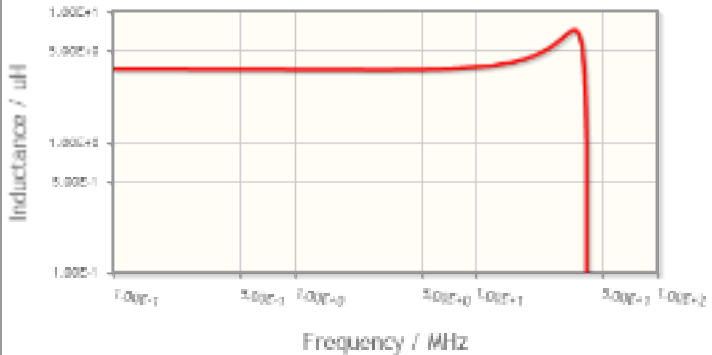
VLS201610HBX-3R3M-1



VLS201610HBX-3R3M-1



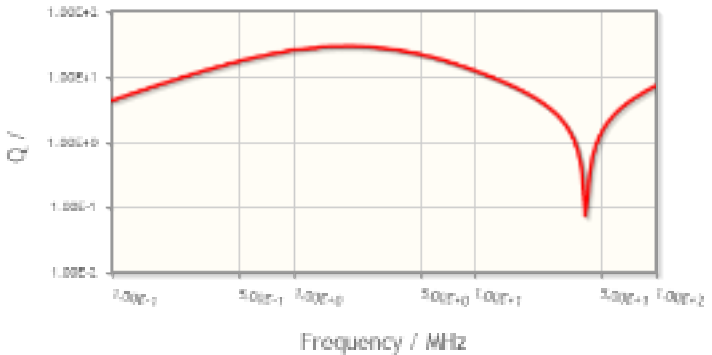
Inductance



VLS201610HBX-3R3M-1



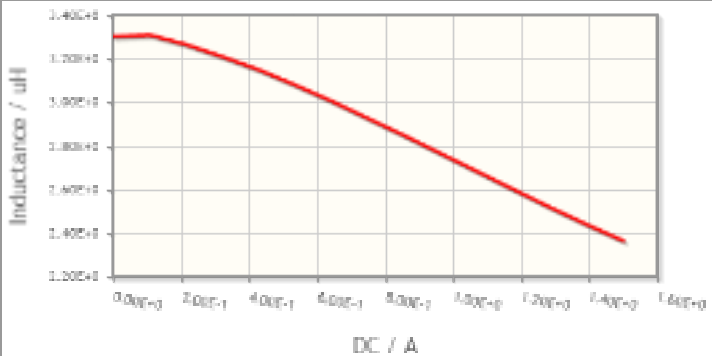
Q



VLS201610HBX-3R3M-1



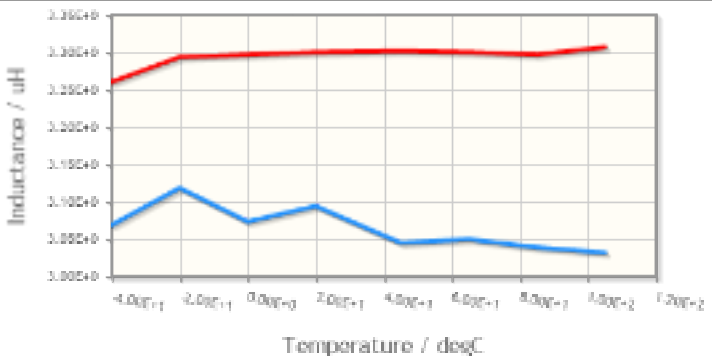
DC Bias Characteristic



VLS201610HBX-3R3M-1(Amb. Temp. = 20degC)



Temperature Characteristic

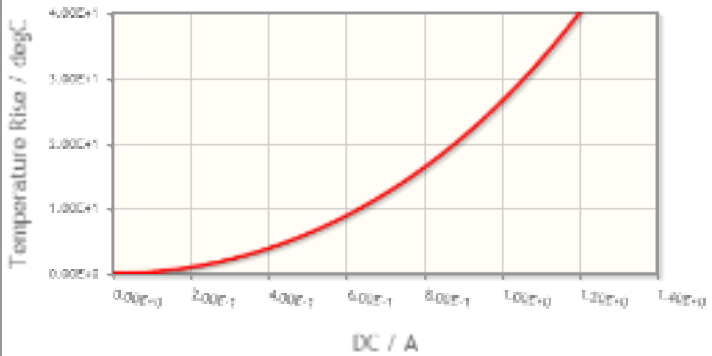


VLS201610HBX-3R3M-1(DC = 0A)

VLS201610HBX-3R3M-1(DC = 0.51A)



Temperature Rise by DC



VLS201610HBX-3R3M-1(Amb. Temp. = 20degC)



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