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PI In Inductors (Coils) Detailed Information

Inductors (Coils)

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VLS201612HBX-4R7M-1

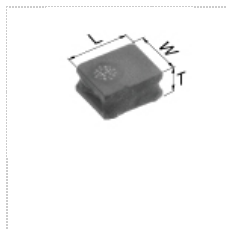


Applications Commercial Grade

- Feature**
- Wire Wound Wire Wound
 - Metal Core Metal Core
 - Shield Magnetic Shield

Series VLS-HBX-1

Status Production



Images are for reference only and show exemplary products.

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Documents

- Catalog
- RoHS Certificate
- SVHC/REACH Certificate
- Product Lineup

Technical Support Tools

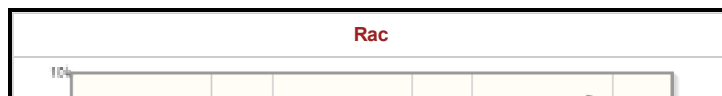
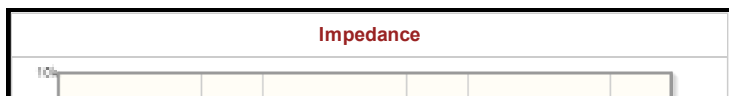
- S-parameter
- SPICE Netlist (Simple)
- Equivalent Circuit Model
- DC Bias/Superimposition Model (HSPICE)

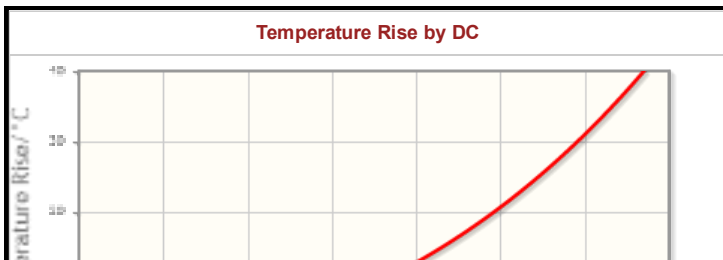
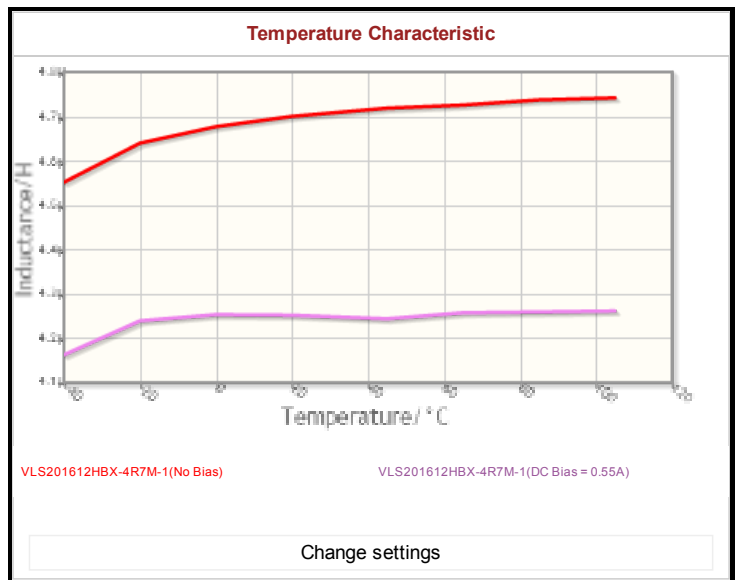
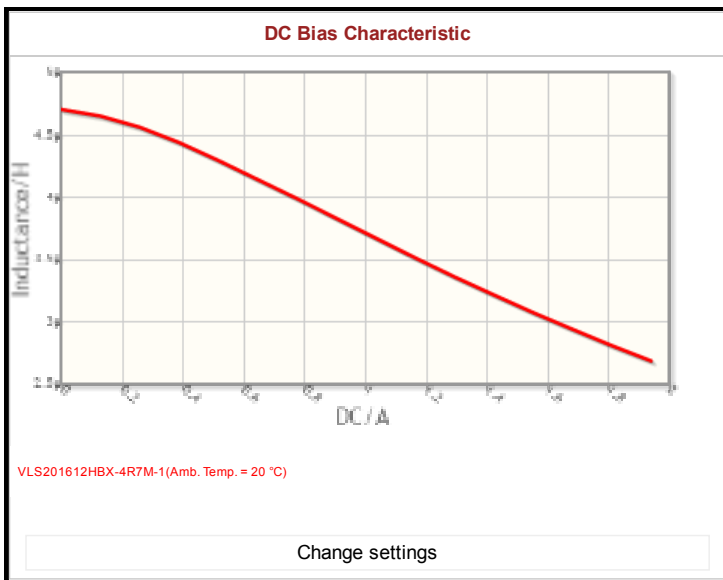
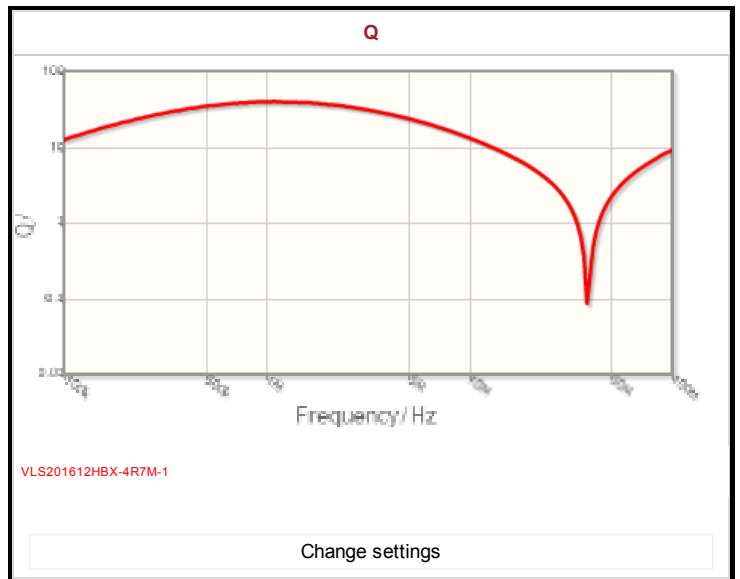
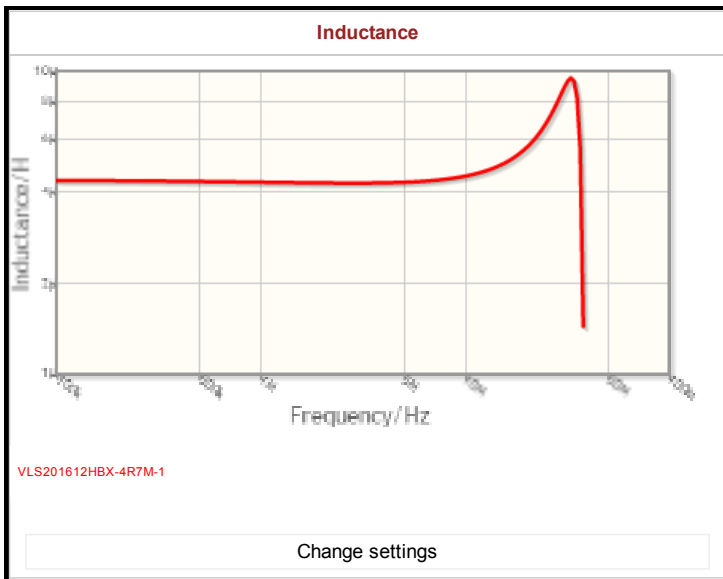
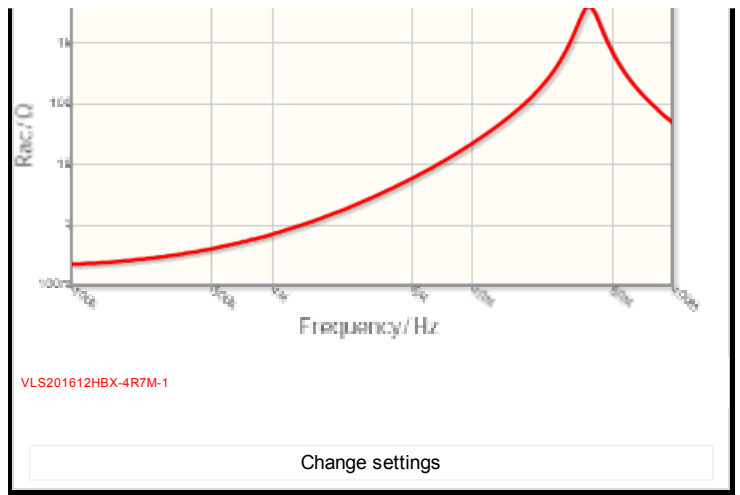
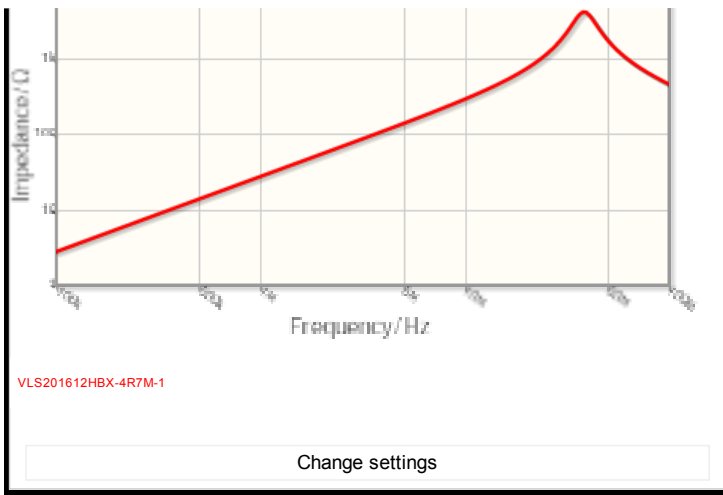
Size	
Length(L)	2.00mm ±0.20mm
Width(W)	1.60mm ±0.20mm
Thickness(T)	1.20mm Max.
Recommended Land Pattern (A)	0.50mm Nom.
Recommended Land Pattern (B)	1.00mm Nom.
Recommended Land Pattern (C)	1.60mm Nom.

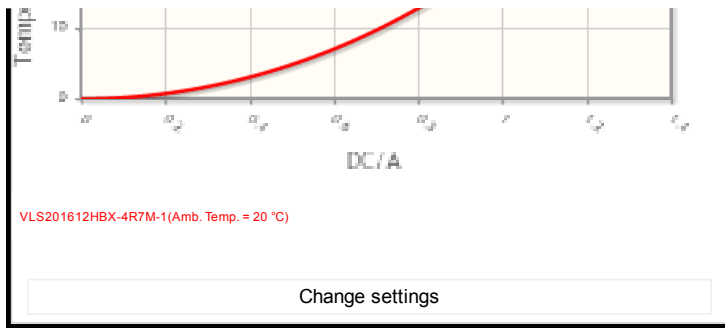
Electrical Characteristics	
Inductance	4.7µH ±20% at 1MHz
Rated Current (L Change) [Typ.]	1.37A (30% Down)
Rated Current (L Change) [Max.]	1.2A (30% Down)
Rated Current (Temperature Rise) [Typ.]	1.29A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	1.1A (40°C Rise)
DC Resistance [Nom.]	260mΩ
DC Resistance [Max.]	312mΩ
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	Blister (Plastic)Taping [180mm Reel]
Package Quantity	2000pcs
Weight	0.02g

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







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