

Inductors (Coils)

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FAQ

VLS252008ET-1R5N



Applications



Commercial Grade

Feature

Shield

Magnetic Shield

Wire Wound

Wire Wound

Ferrite Core

Ferrite Core

Series

VLS-E

Status



Production (Not Recommended for New Design)

Recommended Alternate Part No. : [Contact](#)



Images are for reference only and show exemplary products.

PDF file of this page



Contact



Documents

Catalog

RoHS Certificate

SVHC/REACH Certificate

Product Lineup

Technical Support Tools

SPICE Netlist (Simple)

Equivalent Circuit Model

DC Bias/Superimpotision Model (HSPICE)

Size

Length(L)	2.50mm ±0.10mm
Width(W)	2.00mm ±0.10mm
Thickness(T)	0.80mm Max.
Recommended Land Pattern (A)	0.85mm Nom.
Recommended Land Pattern (B)	0.80mm Nom.
Recommended Land Pattern (C)	2.00mm Nom.

Electrical Characteristics

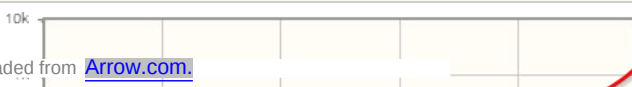
Inductance	1.5μH ±30% at 1MHz
Rated Current (L Change) [Typ.]	1.1A (30% Down)
Rated Current (L Change) [Max.]	1A (30% Down)
Rated Current (Temperature Rise) [Typ.]	910mA (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	206mΩ
DC Resistance [Max.]	248mΩ
Self Resonant Frequency [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	0.015g

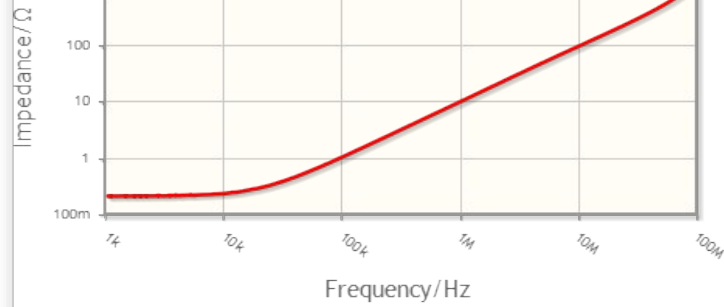
Characteristic Graph (This is reference data, and does not guarantee the products characteristics.)

Impedance



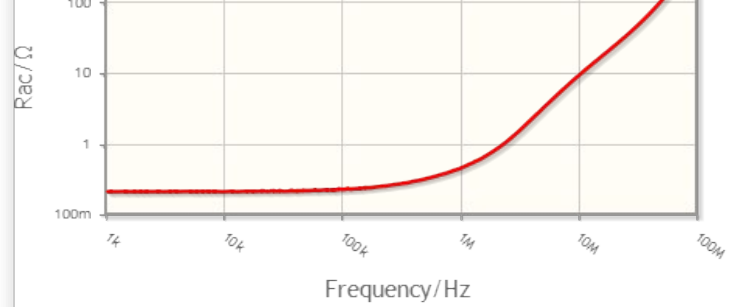
Rac





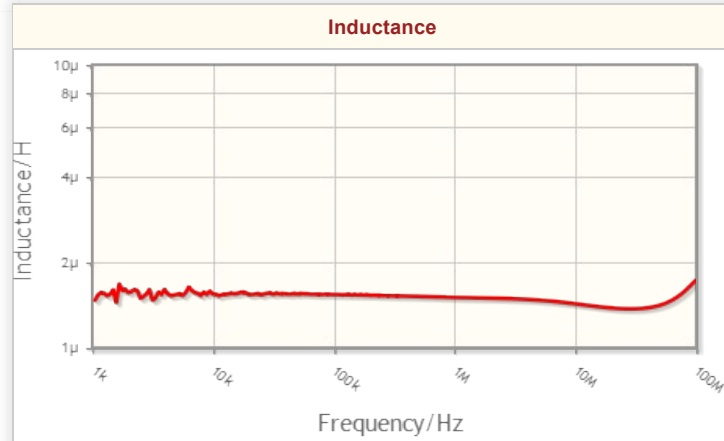
VLS252008ET-1R5N

Change settings



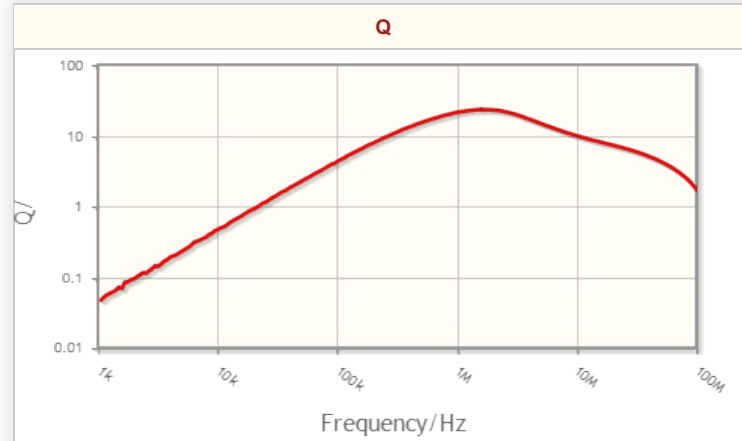
VLS252008ET-1R5N

Change settings



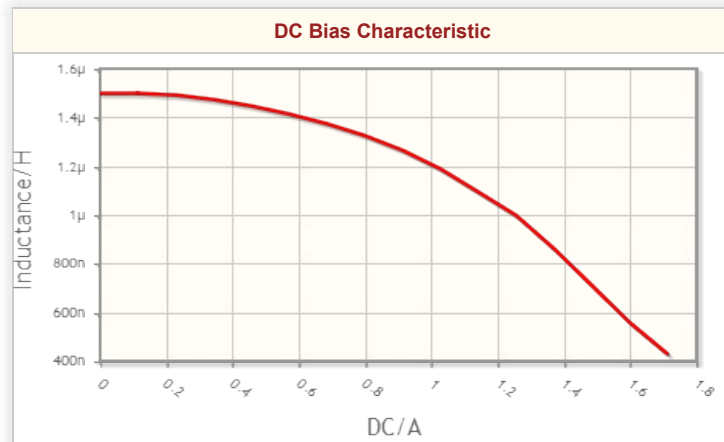
VLS252008ET-1R5N

Change settings



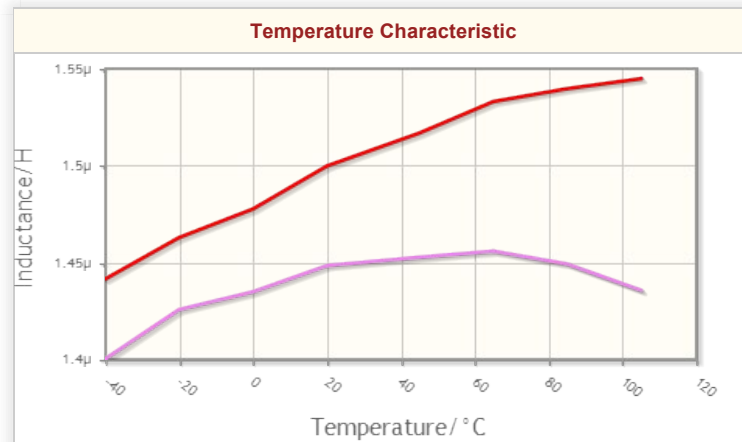
VLS252008ET-1R5N

Change settings



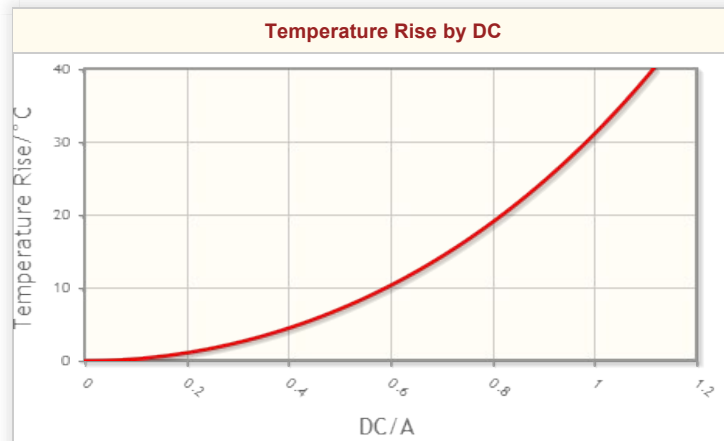
VLS252008ET-1R5N(Amb. Temp.
= 20 °C)

Change settings



VLS252008ET-1R5N(No Bias) VLS252008ET-1R5N(DC Bias = 0.46
s) A)

Change settings



VLS252008ET-1R5N(Amb. Temp.
= 20 °C)

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| » Voltage / Current / Temperature Protection Devices | » Wireless Power Transfer |
| » Sensors and Sensor Systems | » FA Systems |
| » Ceramic Switching / Heating, Piezo Components, Buzzers and Microphones | » Transparent Conductive Film |
| » Transformers | » Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB) |
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