

Inductors (Coils)

Product Top Page Search by Part No. Search by Characteristics Cross Reference Catalog Tech Note Technical Support Tool

VLS252008ET-R47N

Applications	Commercial Grade
Feature	<ul style="list-style-type: none"> Wire Wound Wire Wound Ferrite Core Ferrite Core Shield Magnetic Shield
Series	VLS-E
Status	<ul style="list-style-type: none"> Production (Not Recommended for New Design) Recommended Alternate Part No. : Contact



Images are for reference only and show exemplary products.

Contact

Documents

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

Technical Support Tools

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

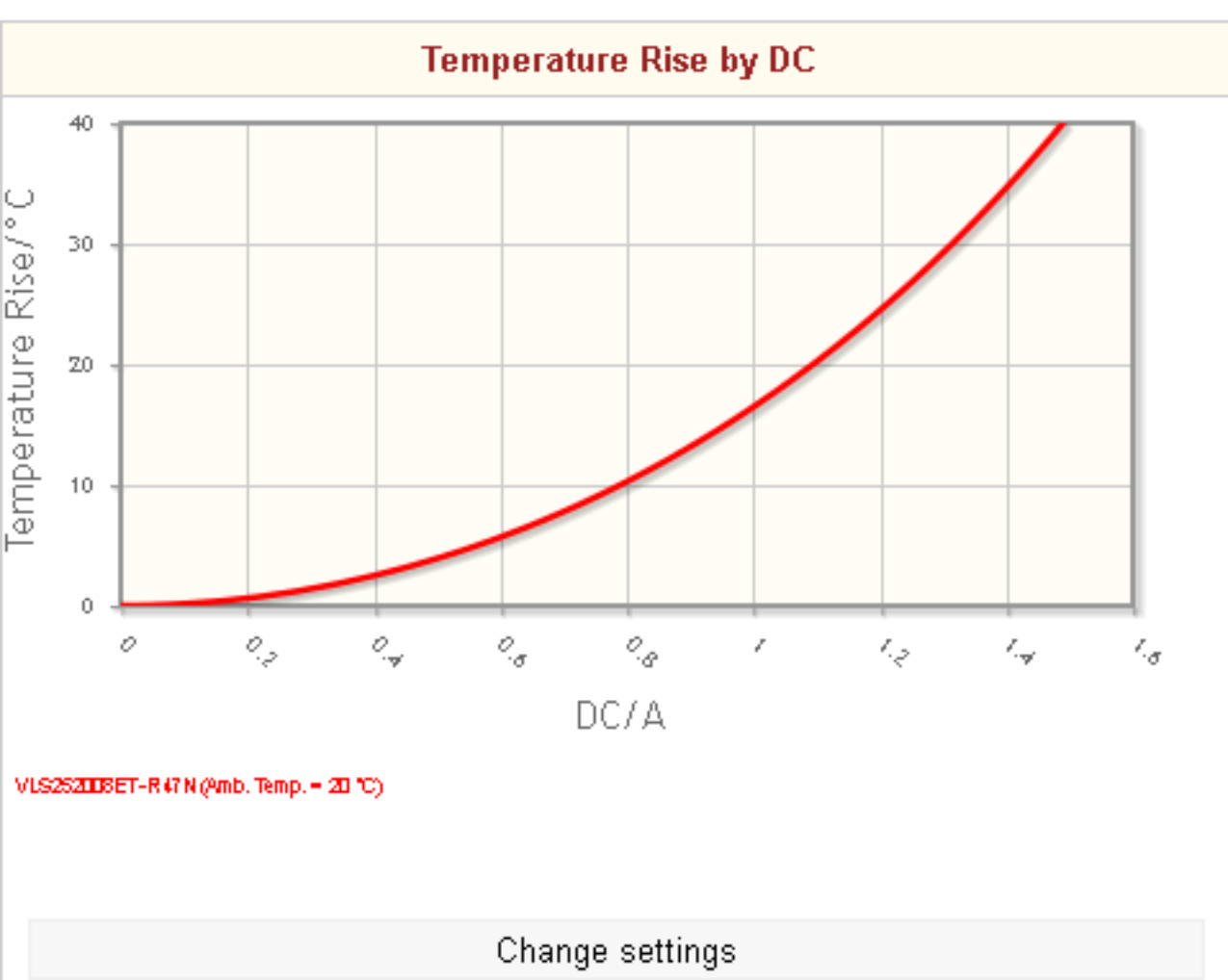
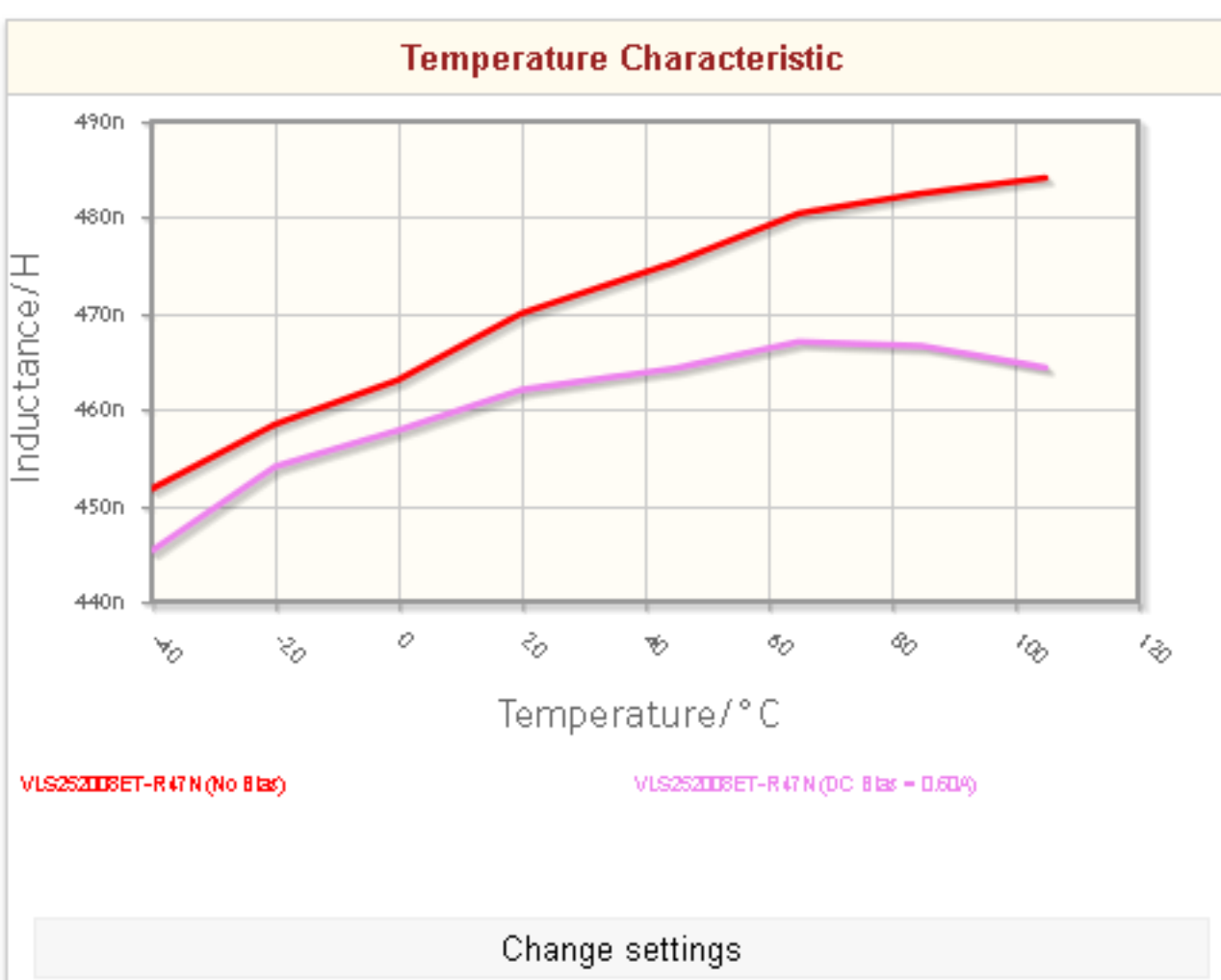
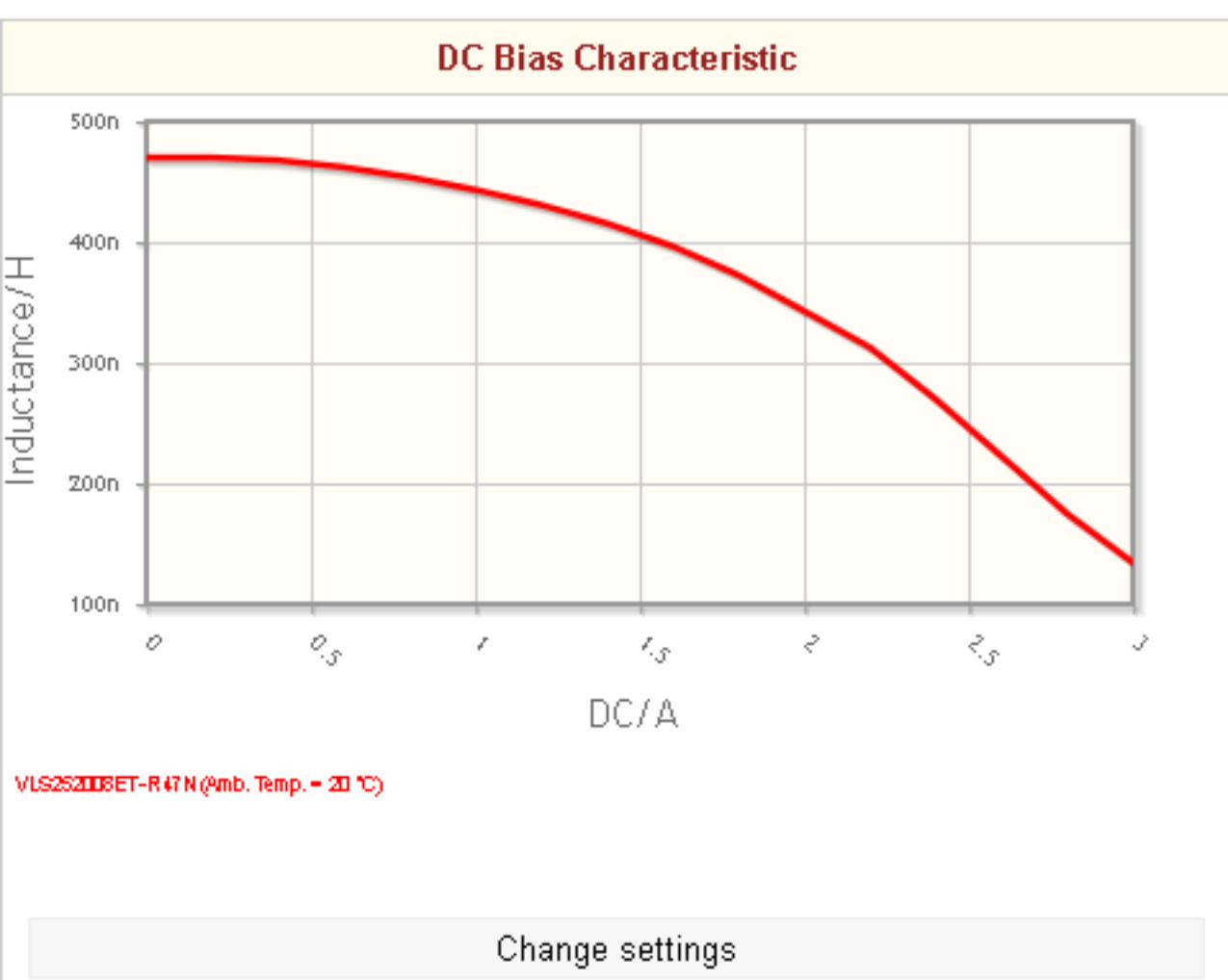
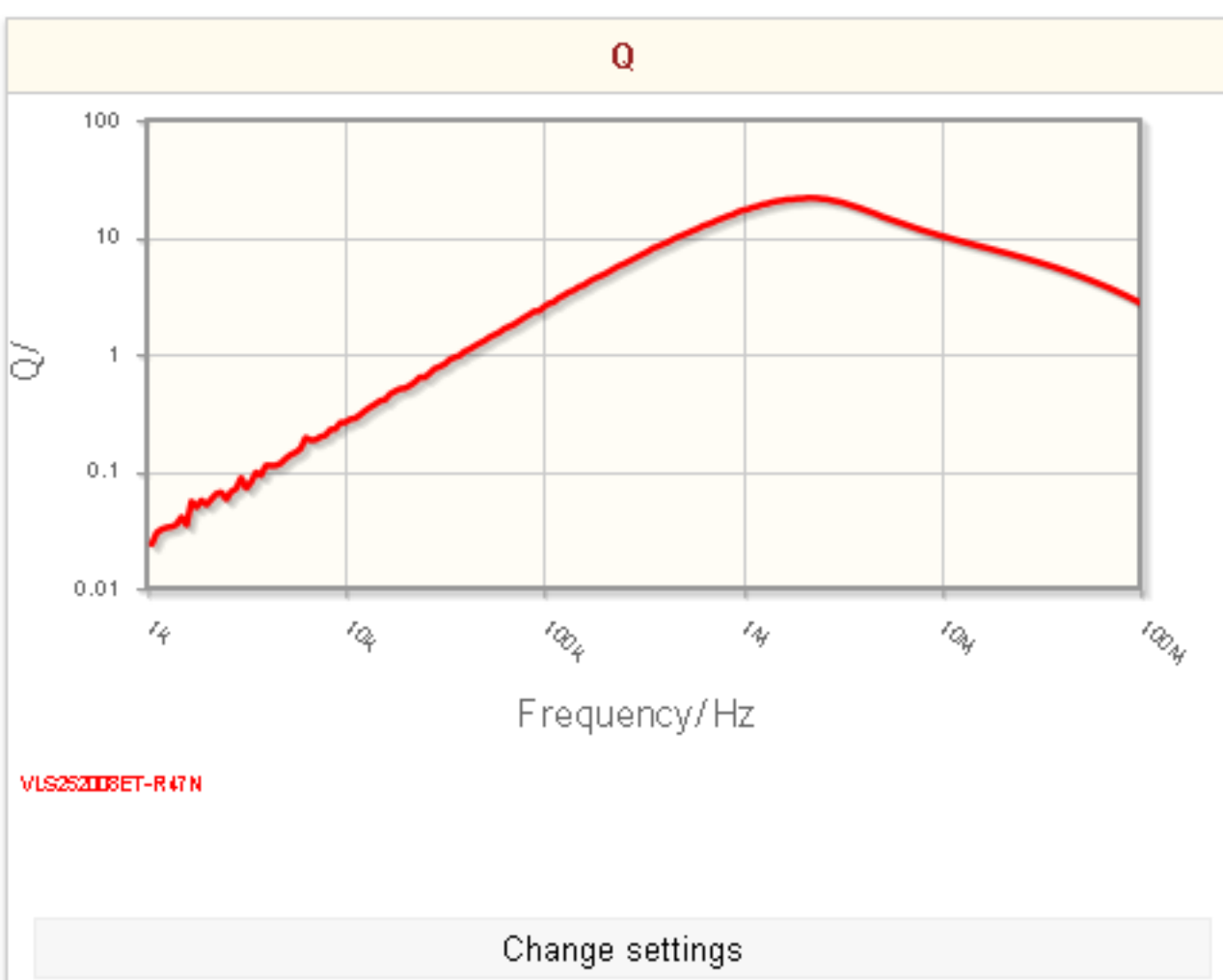
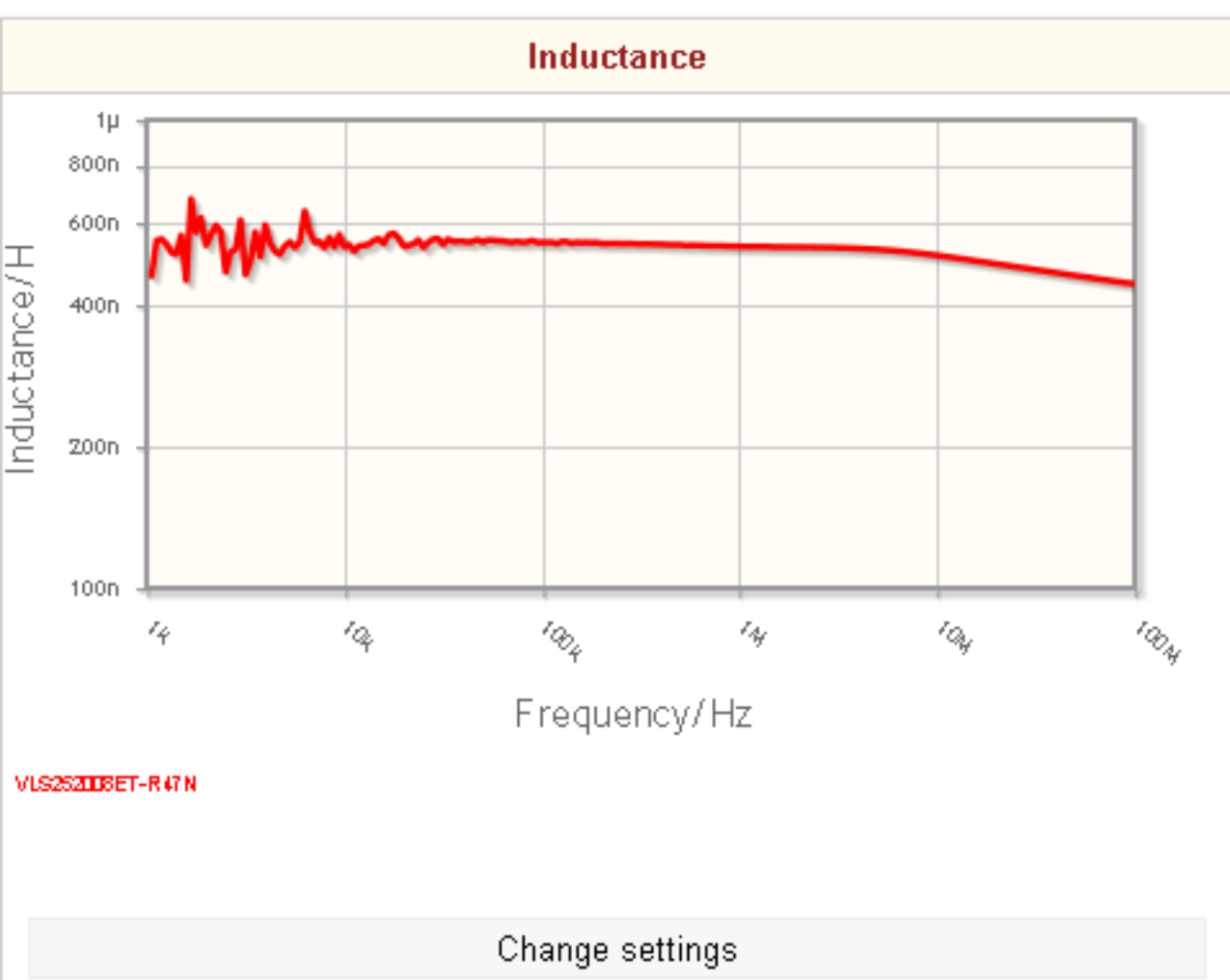
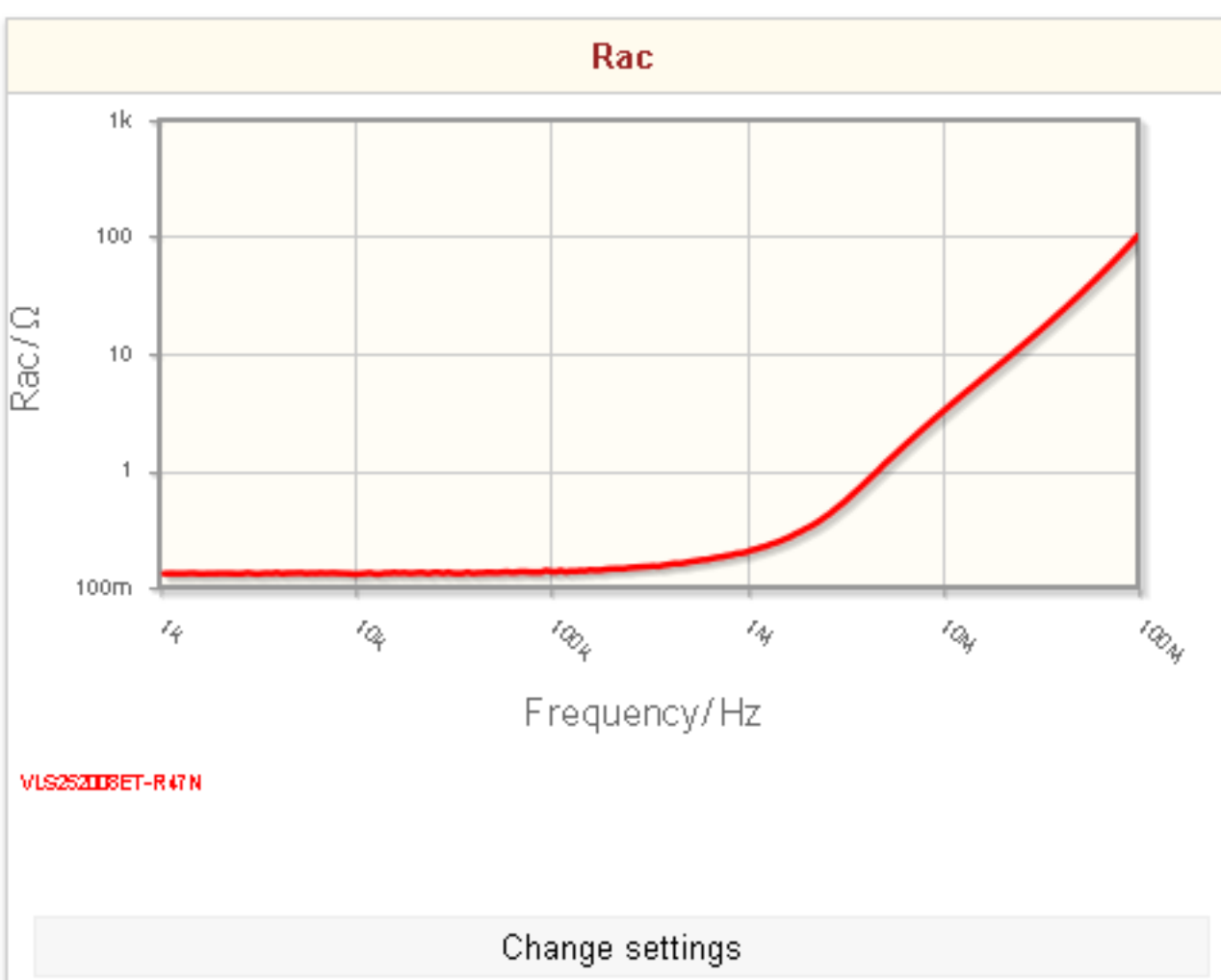
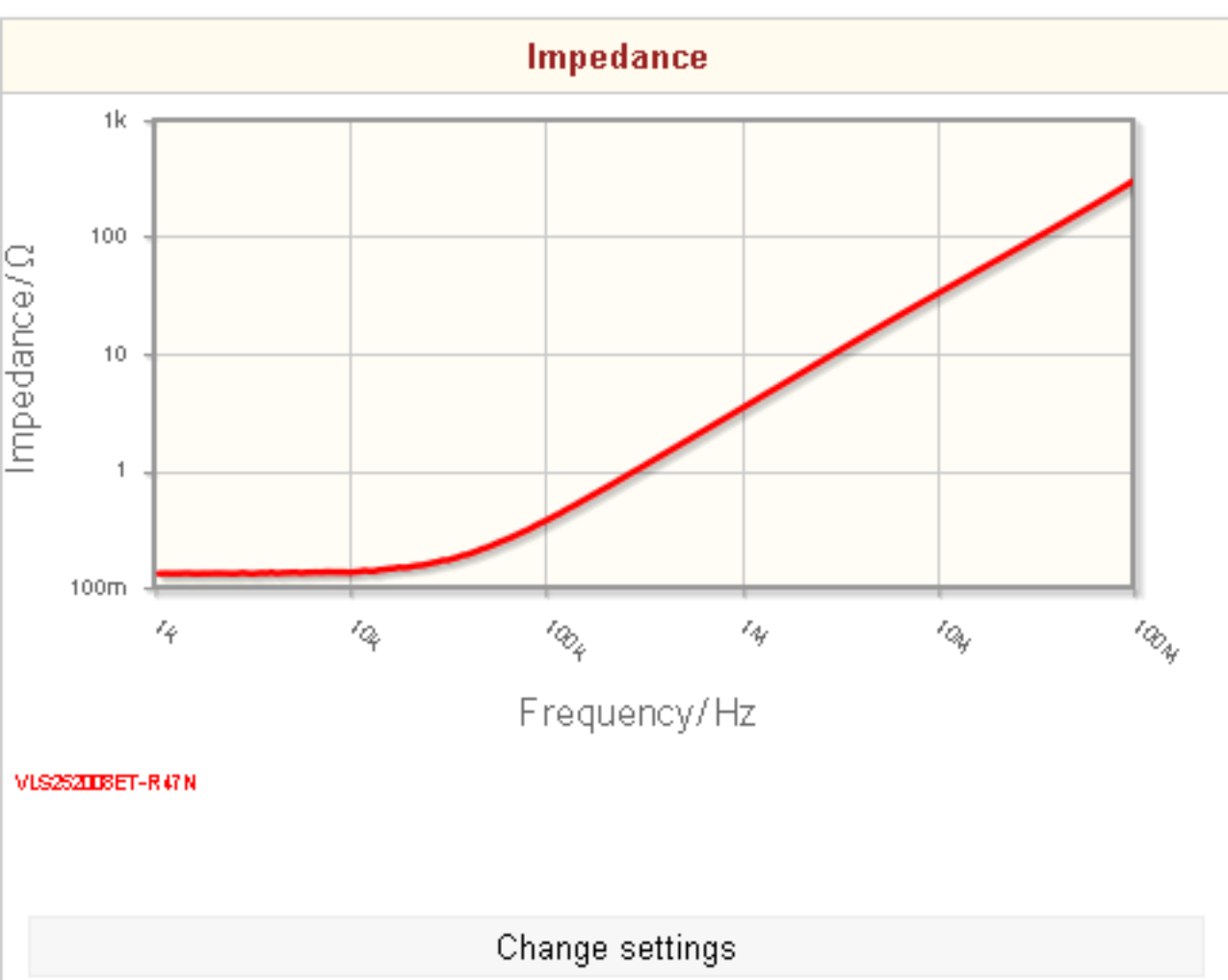
Size	
Length(L)	2.50mm ±0.10mm
Width(W)	2.00mm ±0.10mm
Thickness(T)	0.80mm Max.
Recommended Land Pattern (A)	0.85mm Nom.
Recommended Land Pattern (B)	0.80mm Nom.
Recommended Land Pattern (C)	2.00mm Nom.

Electrical Characteristics	
Inductance	470nH ±30% at 1MHz
Rated Current (L Change) [Typ.]	1.8A (30% Down)
Rated Current (L Change) [Max.]	1.65A (30% Down)
Rated Current (Temperature Rise) [Typ.]	1.2A (40°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Nom.]	116mΩ
DC Resistance [Max.]	140mΩ
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.)



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 - » Voltage / Current / Temperature Protection Devices
 - » Sensors and Sensor Systems
 - » Ceramic Switching / Heating, Piezo Components and Buzzers
 - » Transformers
 - » Ferrites and Accessories
 - » Noise Suppressing / Magnet Sheets
 - » Anechoic Chambers and Radio Wave Absorbers
 - » Power Supplies
 - » Magnets
 - » Flash Storages
 - » Wireless Charging
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 - » Transparent Conductive Film
 - » Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB)
 - » Solar Cells

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