

Inductors (Coils)

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

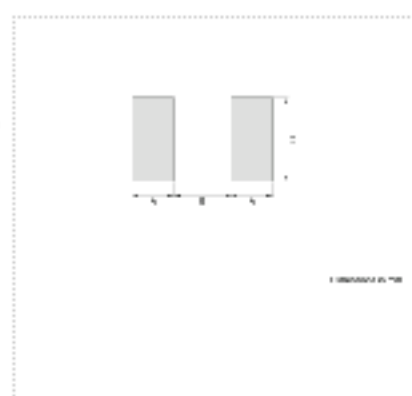
CLF6045T-470M-CA

Applications Automotive Grade

- Feature**
- AEC-Q200 AEC-Q200
 - Wire Wound Wire Wound
 - Ferrite Core Ferrite Core
 - Shield Magnetic Shield

Series CLF-CA

Status Production (Not Recommended for New Design)
Recommended Alternate Part No. : [Contact](#)



Images are for reference only and show exemplary products.

Contact

Documents

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Technical Support Tools

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Size

Length(L)	6.20mm ±0.20mm
Width(W)	5.90mm ±0.20mm
Thickness(T)	4.50mm ±0.30mm
Recommended Land Pattern (A)	1.70mm Nom.
Recommended Land Pattern (B)	3.60mm Nom.
Recommended Land Pattern (C)	2.20mm Nom.

Electrical Characteristics

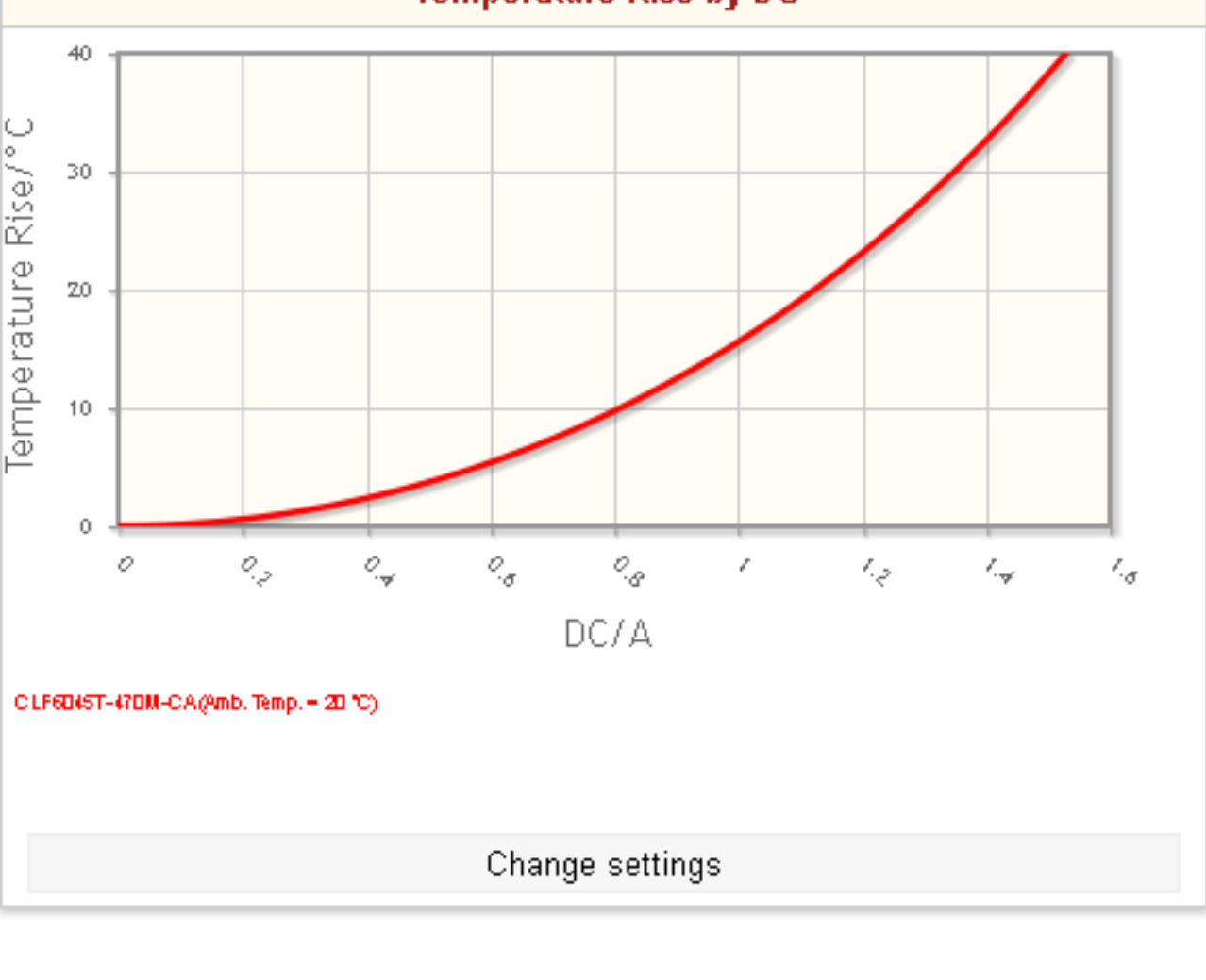
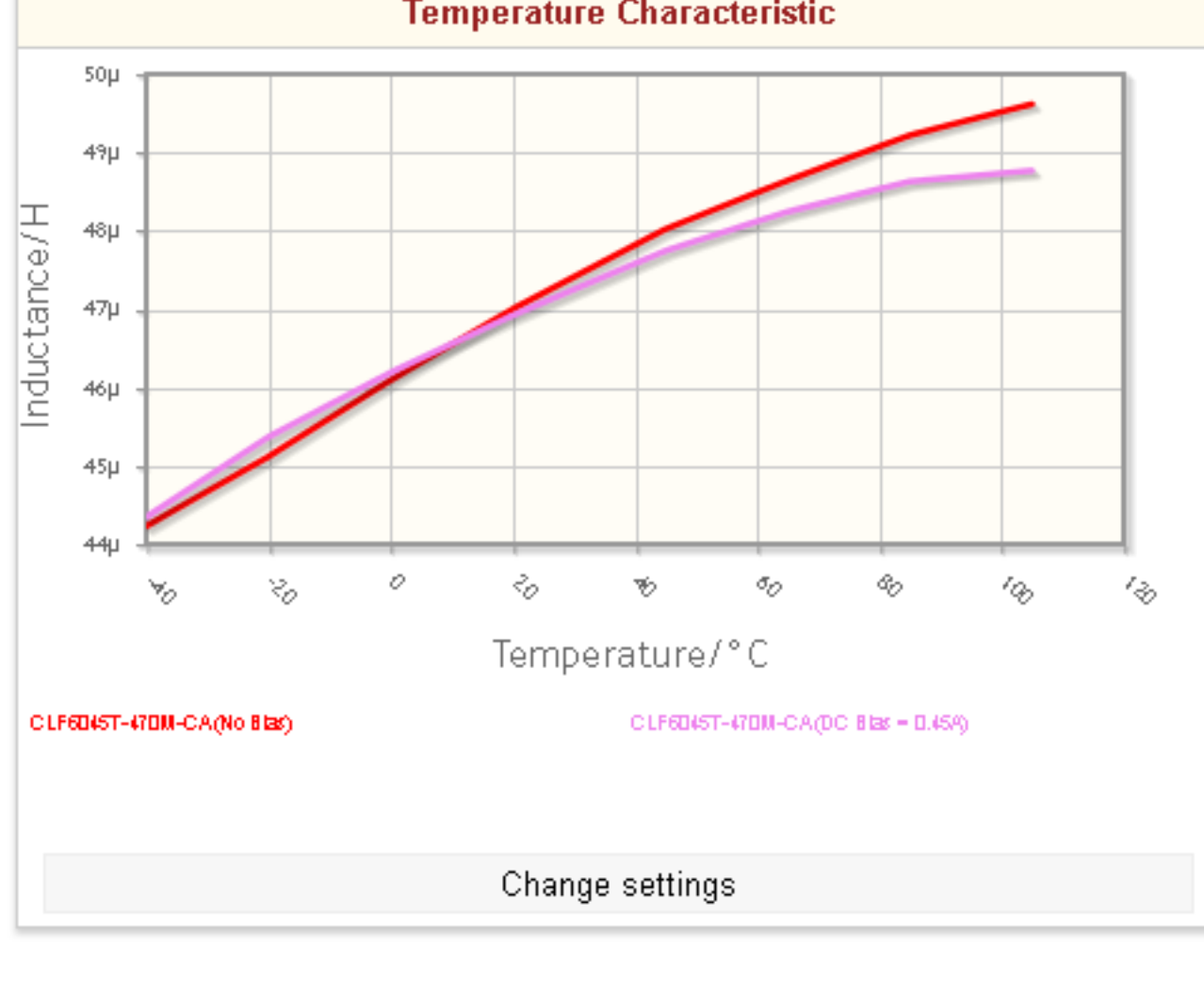
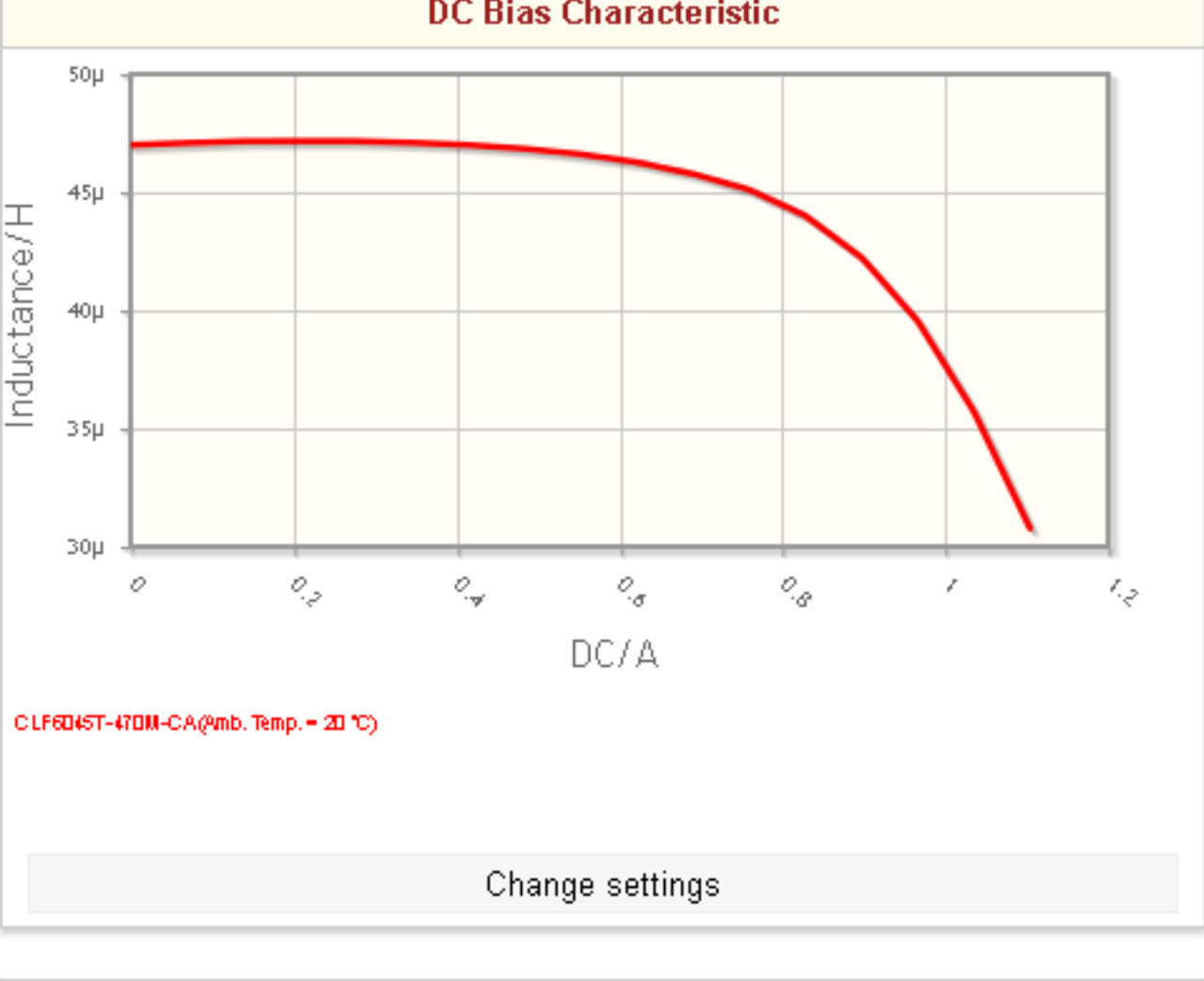
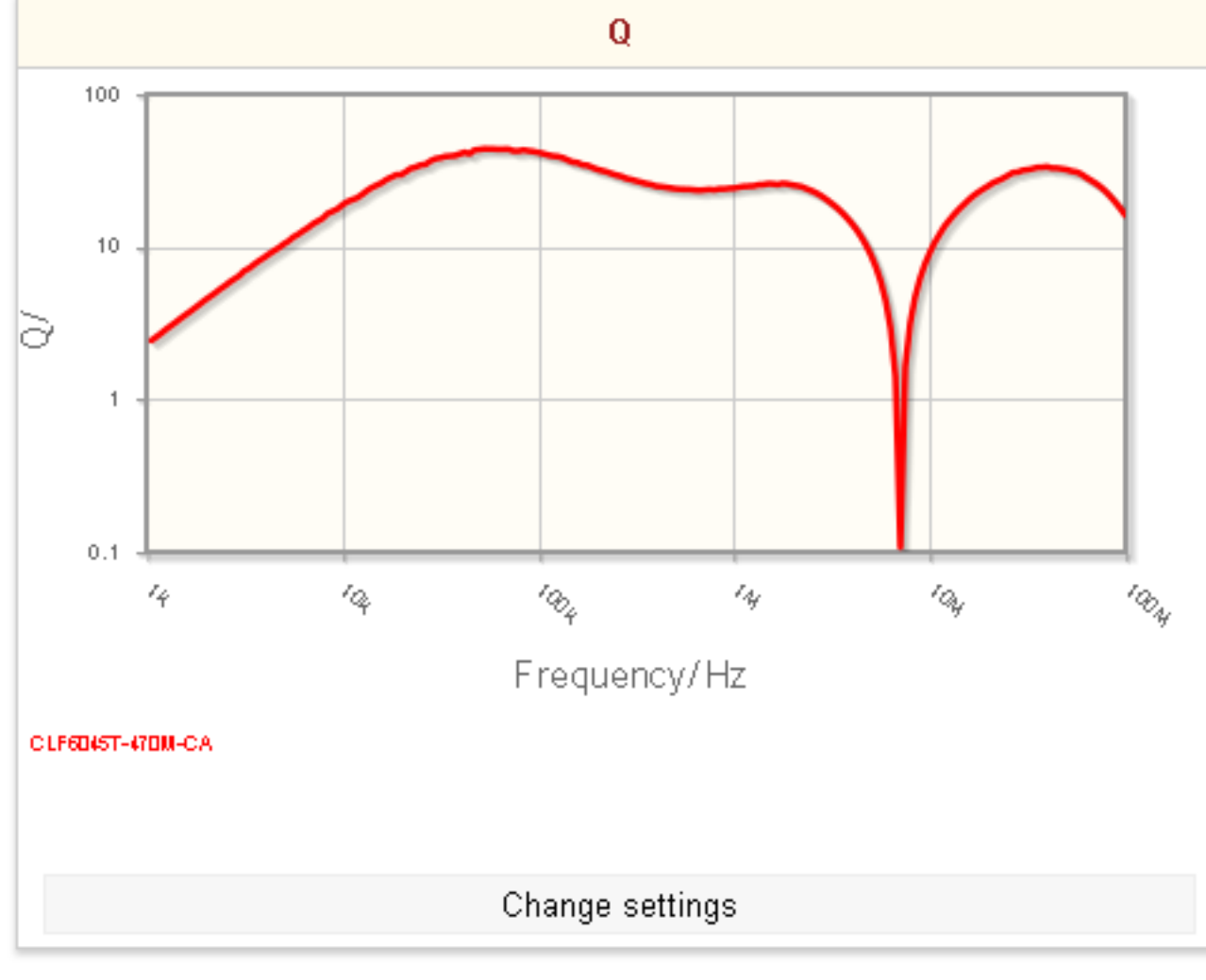
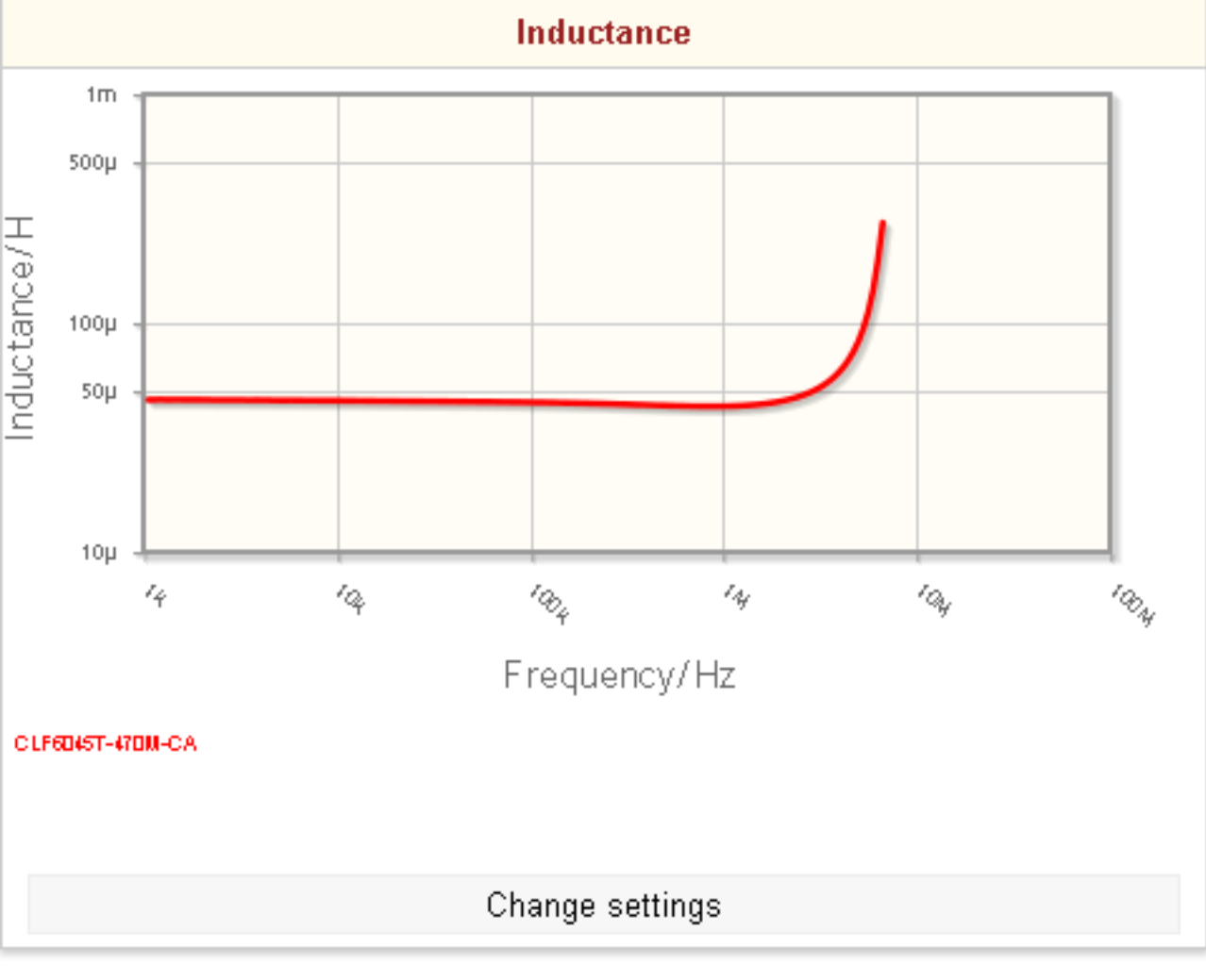
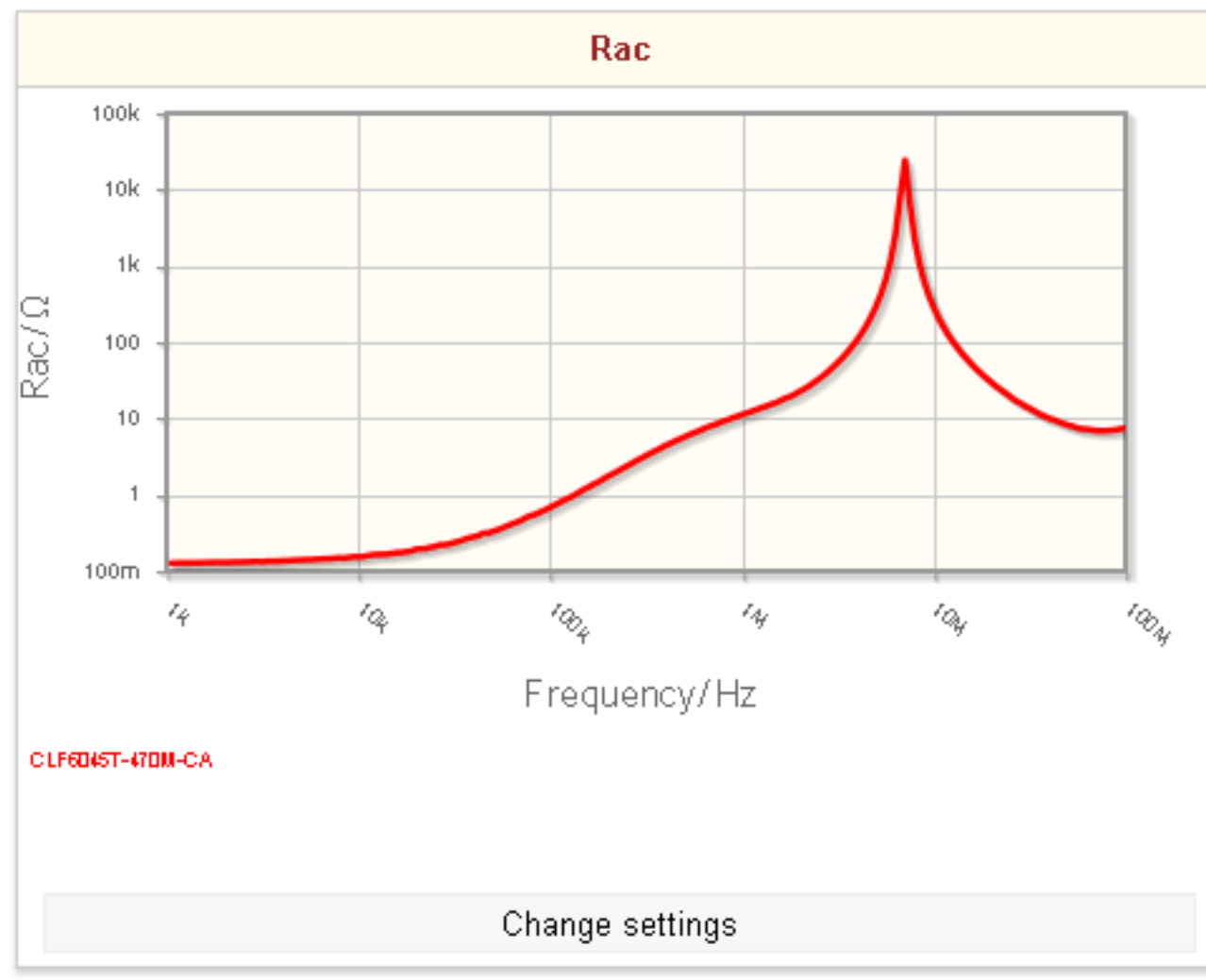
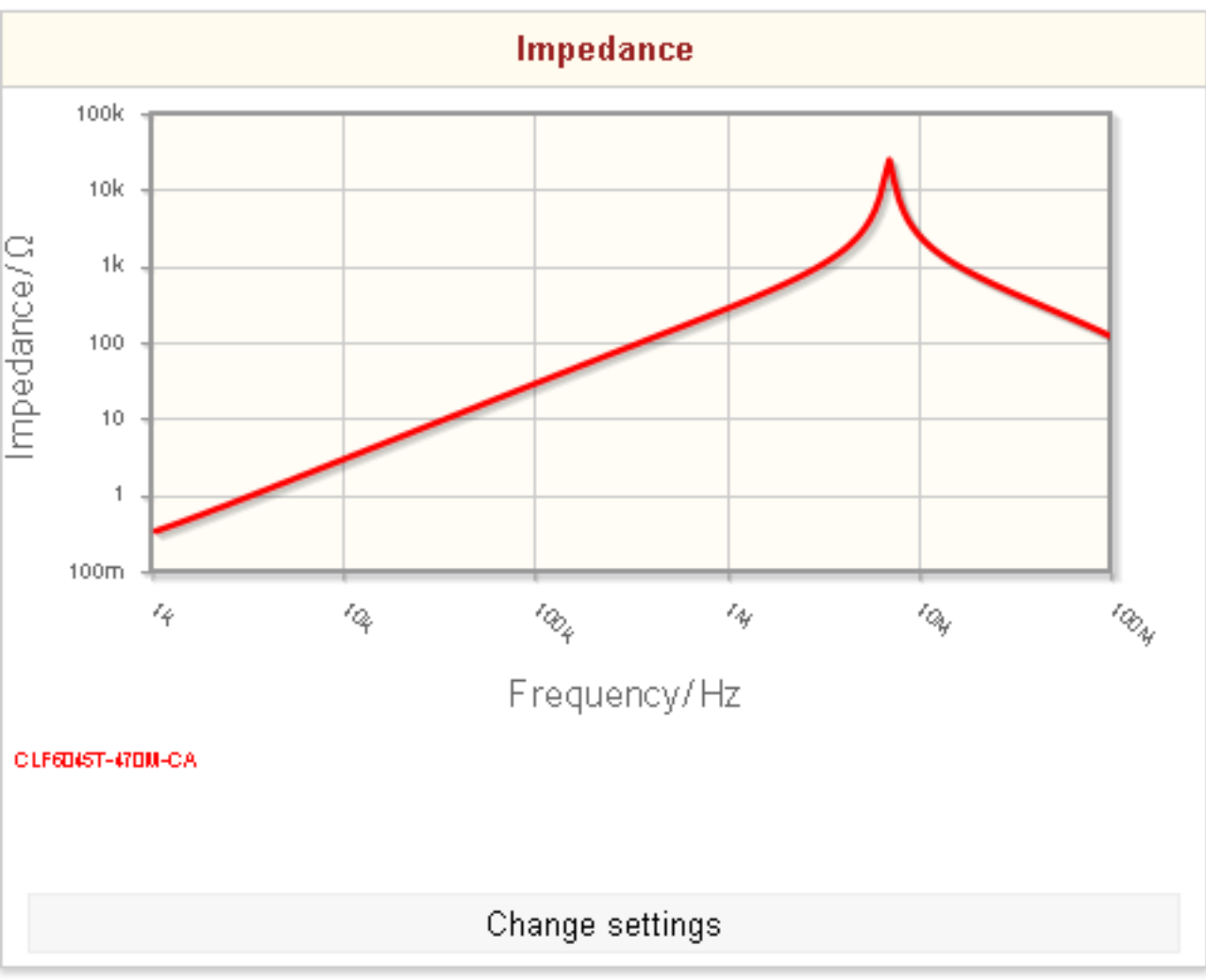
Inductance	47µH ±20% at 100kHz
Rated Current (L Change) [Typ.]	900mA (10% Down)
Rated Current (L Change) [Max.]	
Rated Current (Temperature Rise) [Typ.]	1.3A (30°C Rise)
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Nom.]	130mΩ
DC Resistance [Max.]	156mΩ
Self Resonant Frequency [Min.]	
Self Resonant Frequency [Typ.]	
Q [Min.]	
Q [Typ.]	

Other

Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	Yes
Packing	Blister (Plastic)Taping [330mm Reel]
Package Quantity	1000pcs
Weight	0.6g



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



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 - » RF / SAW Components and Modules
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 - » Flash Storages
 - » Wireless Charging
 - » FA Systems
 - » Transparent Conductive Film
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- -