

Inductors (Coils)

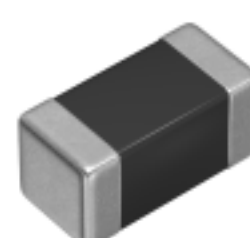
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MLF1608DR68KTD25



Applications Automotive Grade

Feature	Shield	Magnetic Shield
	Multilayer	Multilayer
	Ferrite Core	Ferrite Core
	AEC-Q200	AEC-Q200



Images are for reference only and show example products.

3D Model

Series | Type MLF

Status Production

Brand TDK

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Documents

- Catalog
- RoHS Certificate
- SVHC/REACH Certificate
- Product Lineup
- [Selection Guide] Inductors for standard circuits/decoupling circuits

Technical Support Tools

- S-parameter
- SPICE Netlist (Simple)
- SPICE Netlist (Precision)
- Equivalent Circuit Model

Size	
Length(L)	1.60mm ±0.15mm
Width(W)	0.80mm ±0.15mm
Thickness Height	0.80mm ±0.15mm
Recommended Land Pattern (A)	0.60mm Nom.
Recommended Land Pattern (B)	0.80mm Nom.
Recommended Land Pattern (C)	0.80mm Nom.

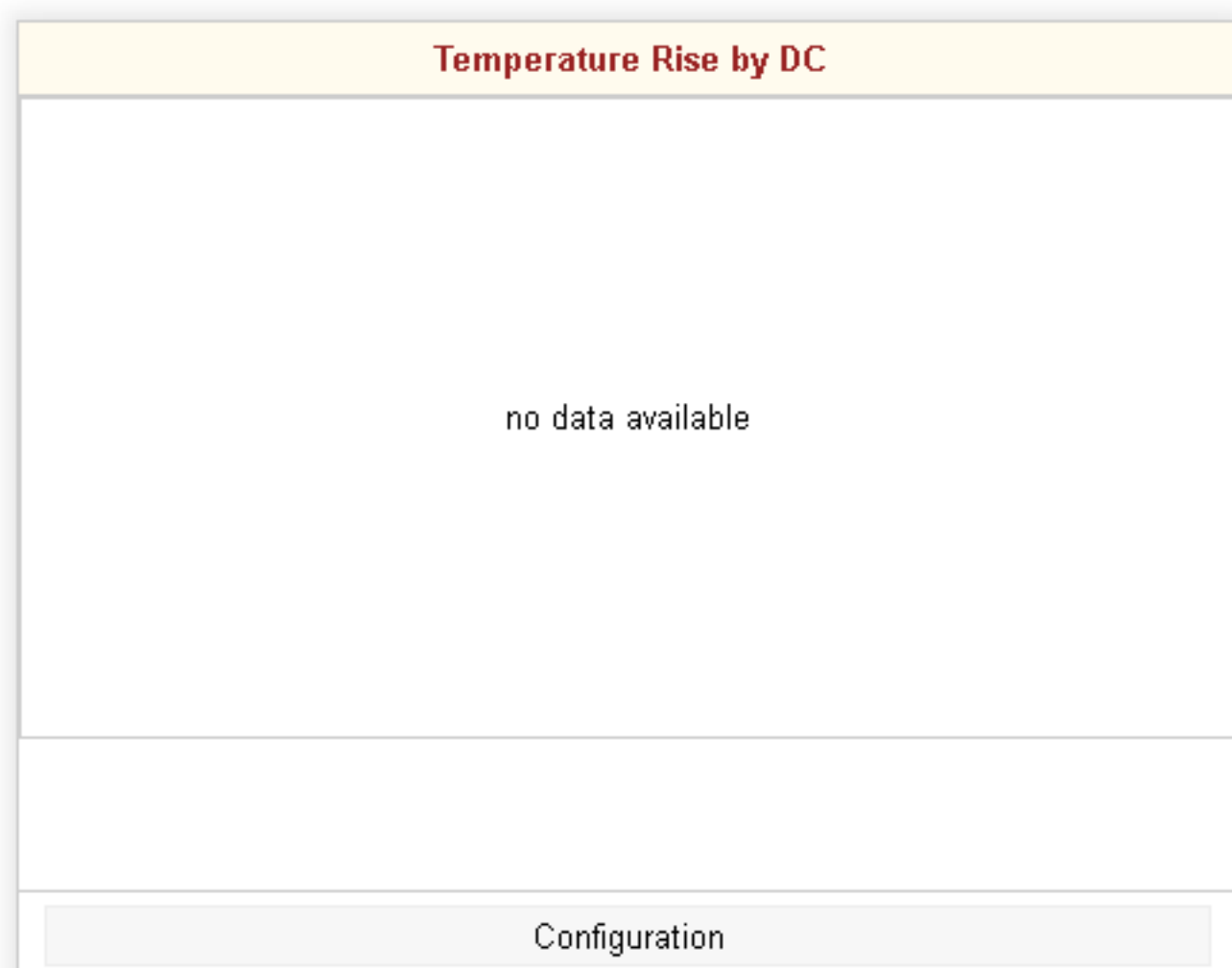
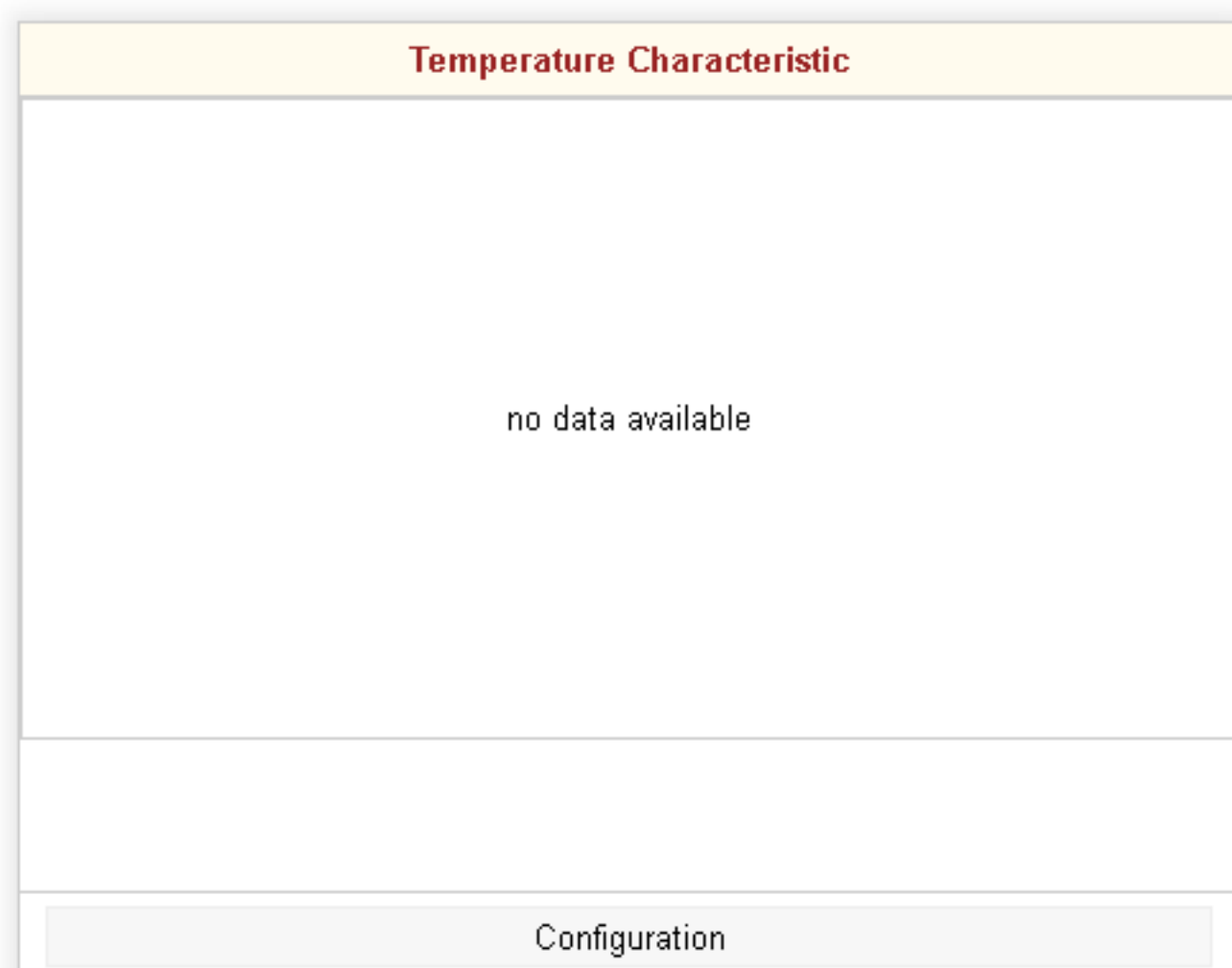
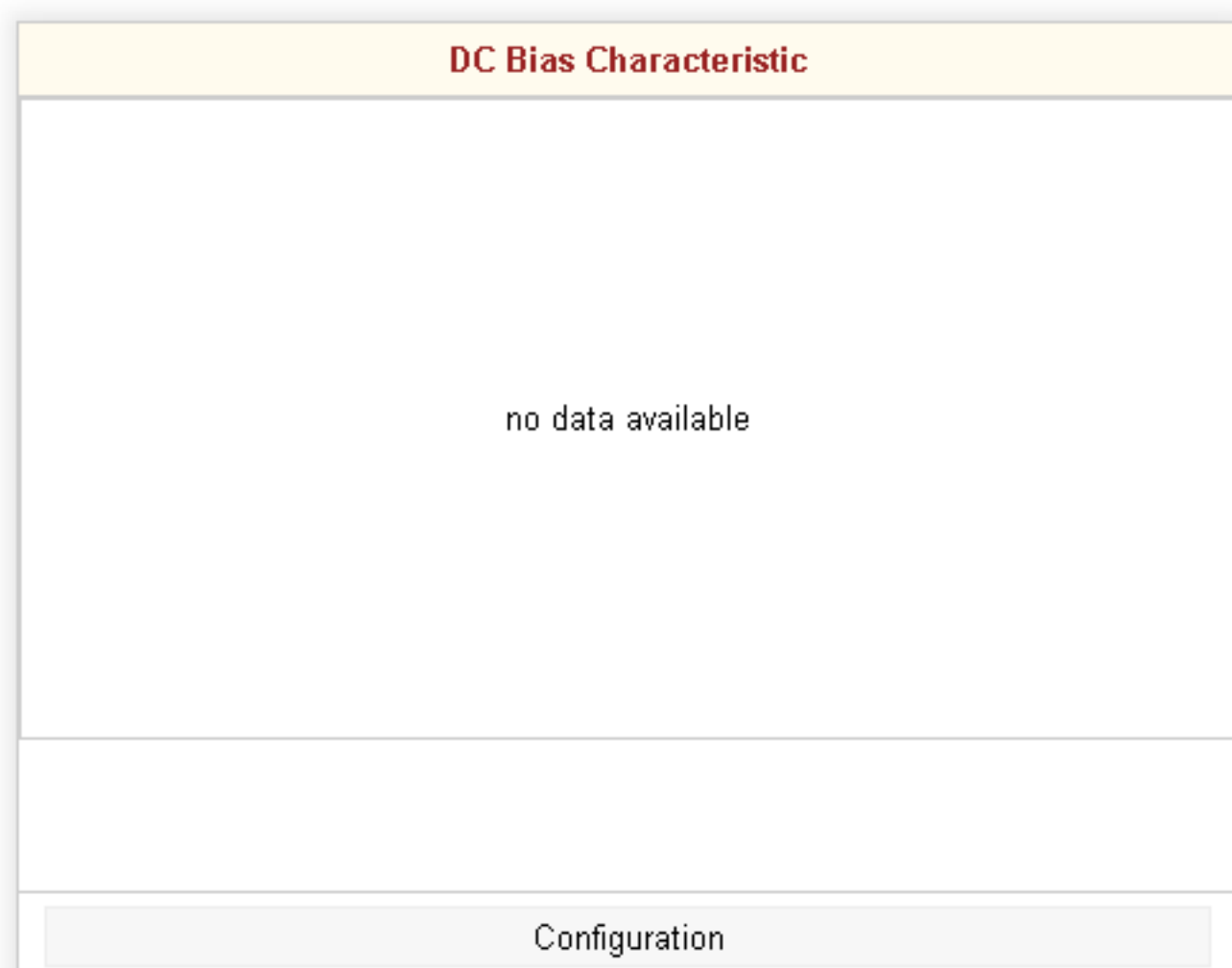
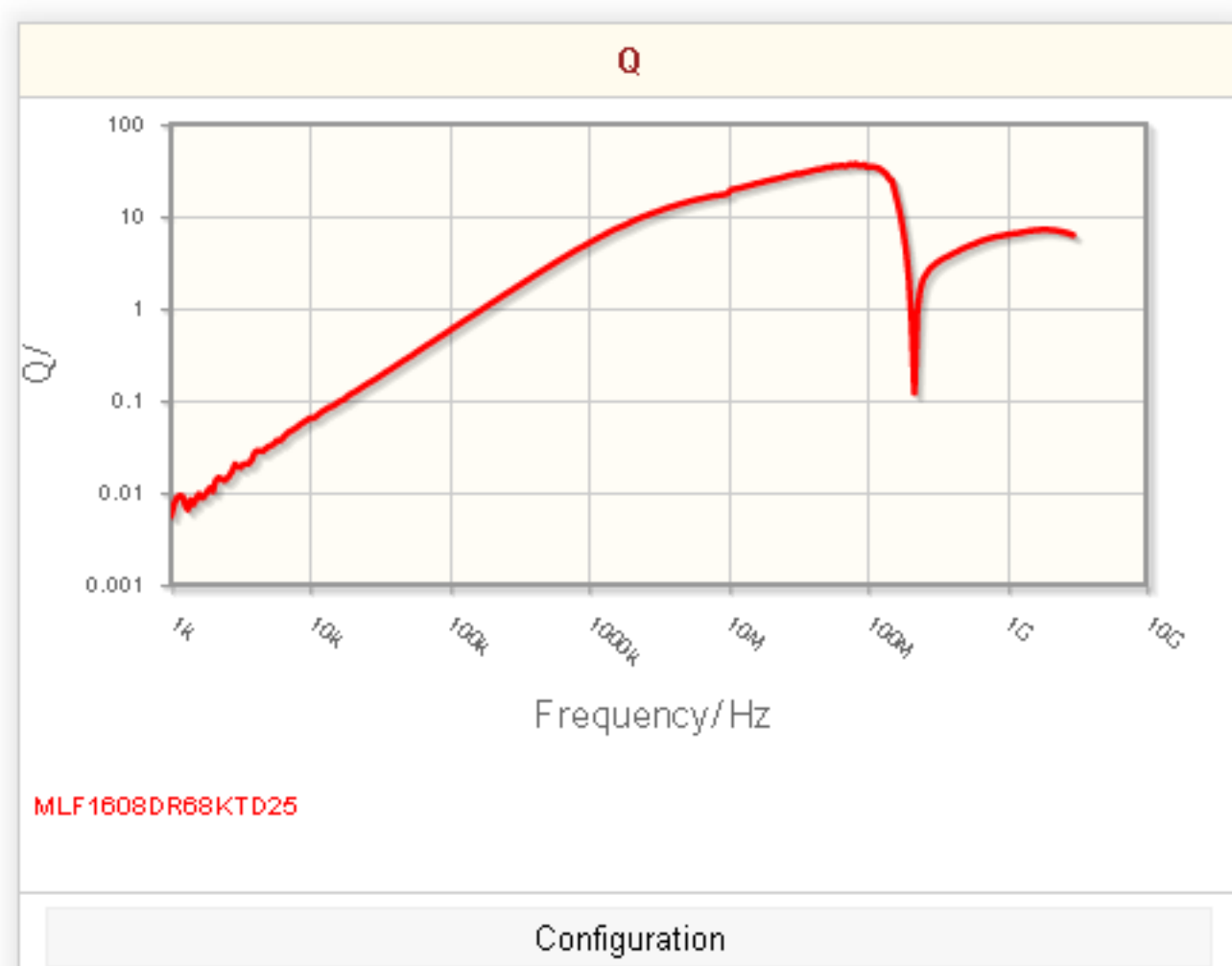
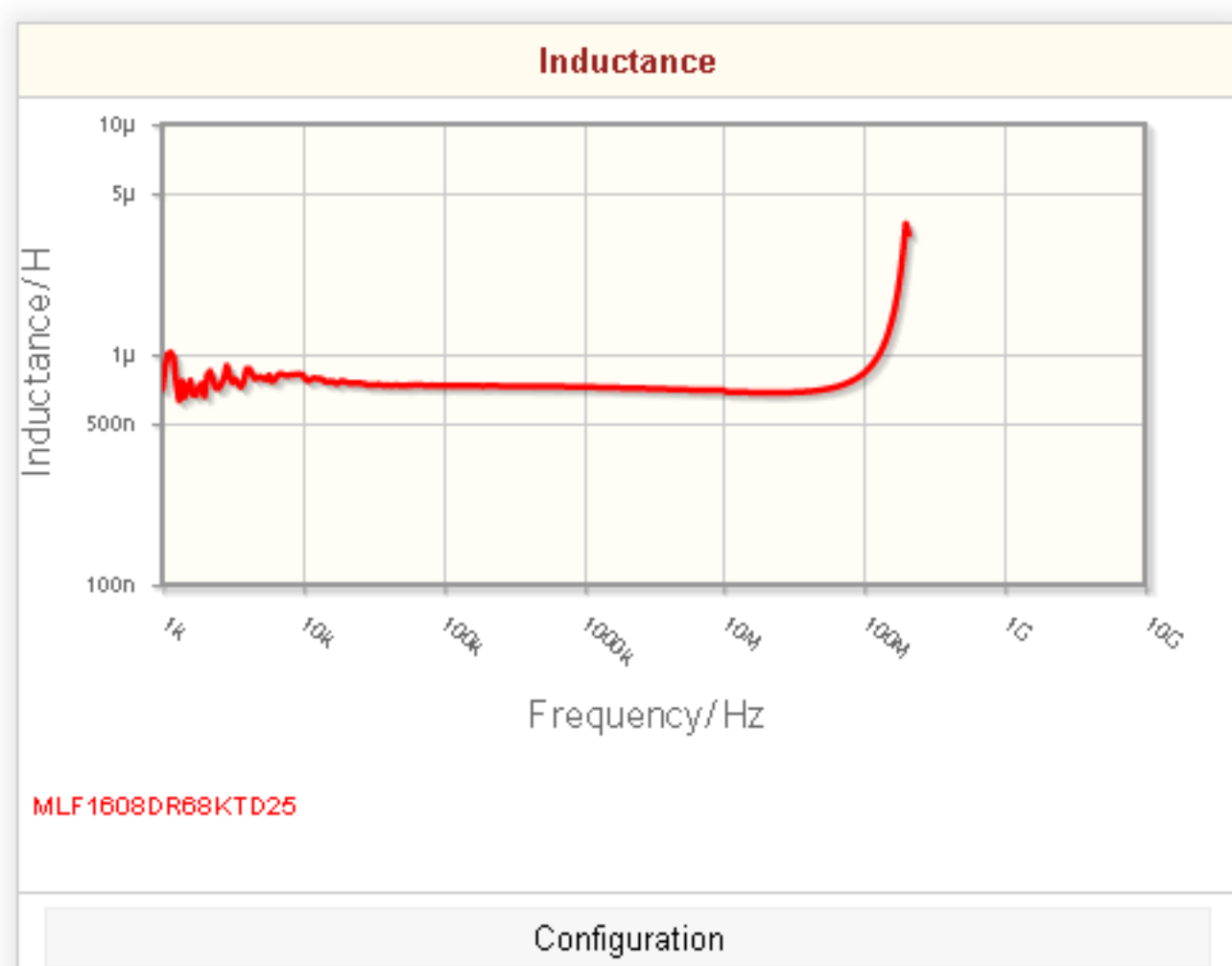
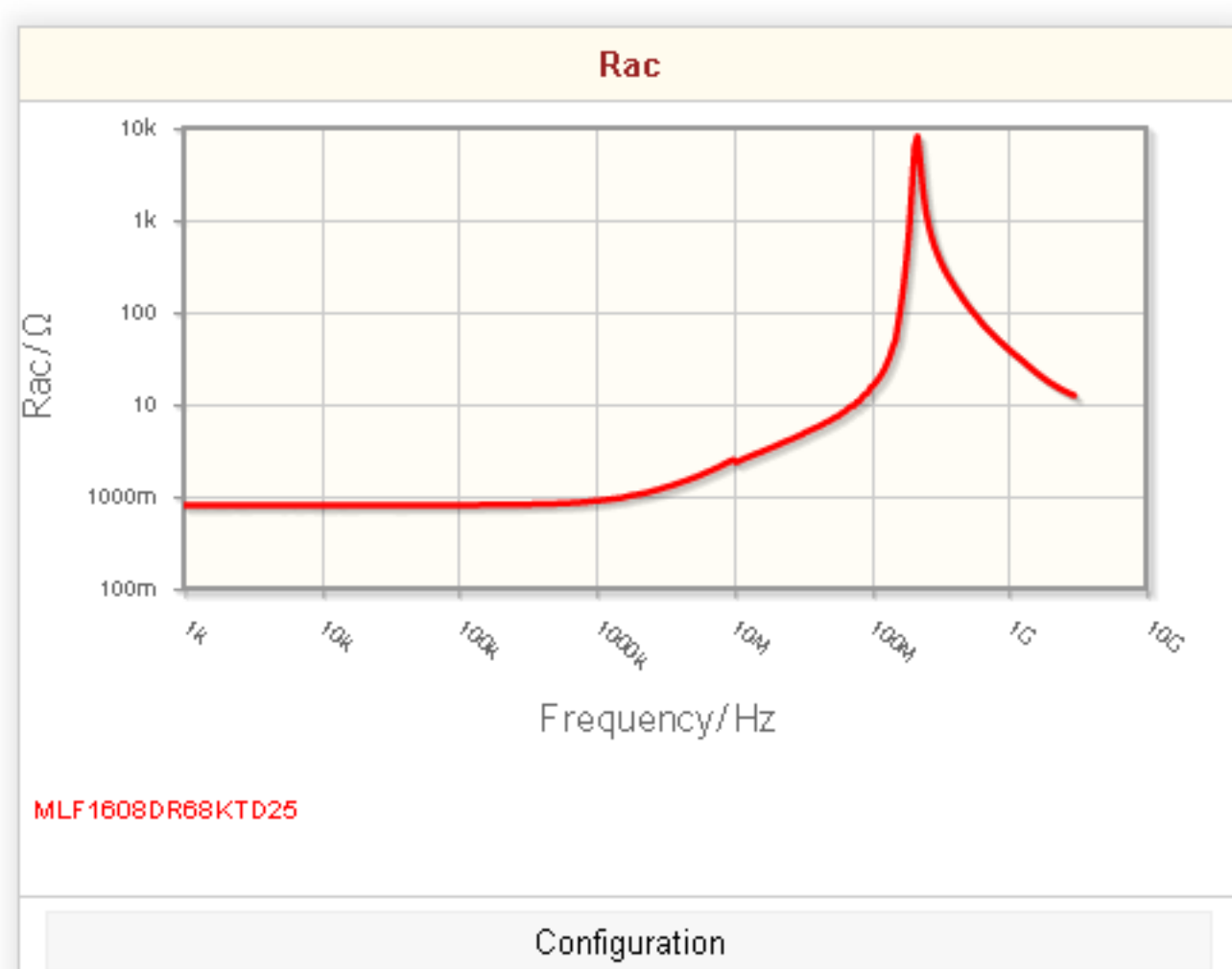
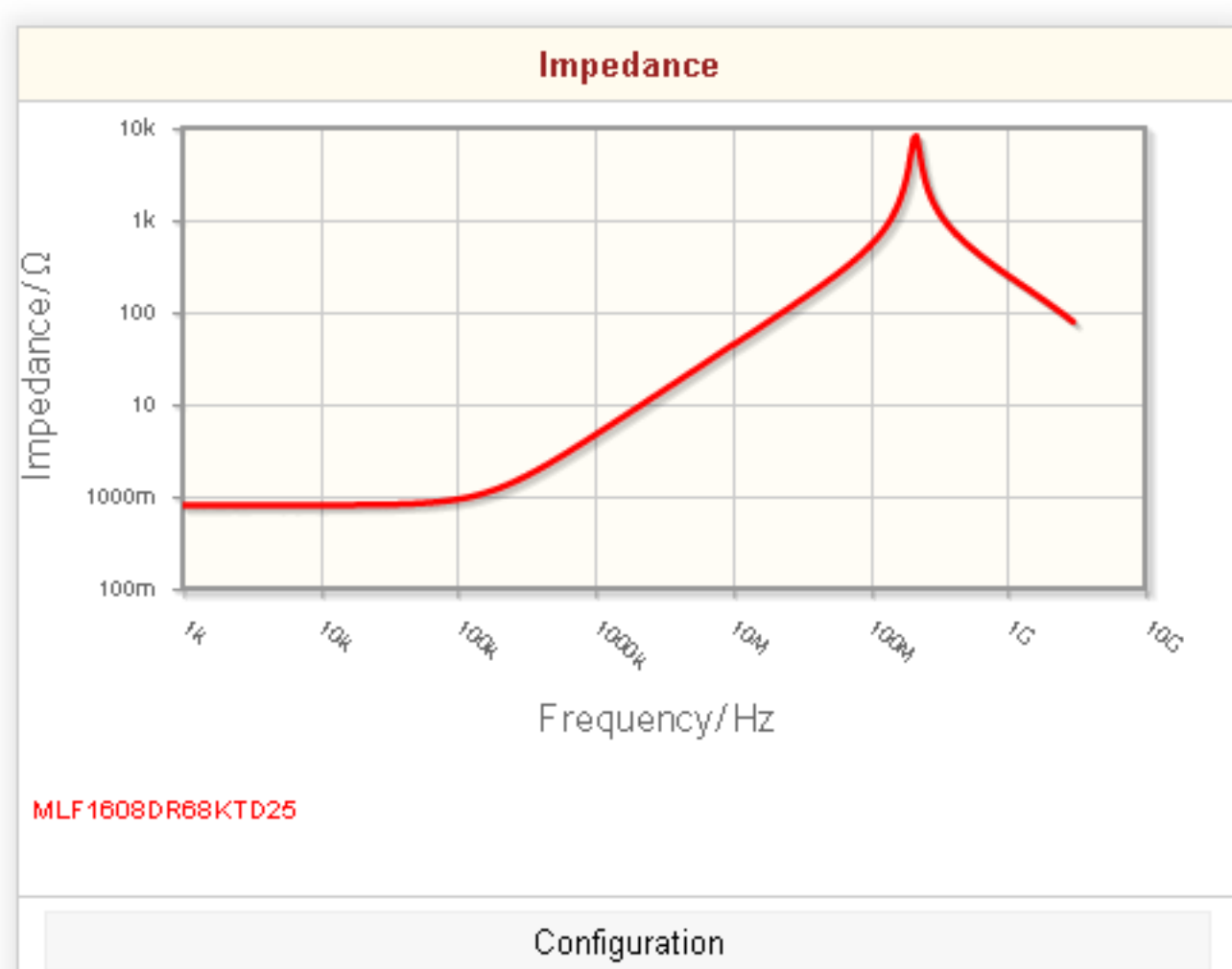
Electrical Characteristics

Inductance	680nH ±10% at 25MHz
Rated Current (L Change) [Typ.]	
Rated Current (L Change) [Max.]	70mA
Rated Current (Temperature Rise) [Typ.]	
Rated Current (Temperature Rise) [Max.]	
DC Resistance [Typ.]	650mΩ
DC Resistance [Max.]	1.25Ω
Self Resonant Frequency [Min.]	150MHz
Self Resonant Frequency [Typ.]	210MHz
Q [Min.]	15
Q [Typ.]	30

Other

Operating Temp. Range (Including Self-Temp. Rise)	-55 to 125°C
Soldering Method	Reflow Iron Soldering
AEC-Q200	Yes
Packing	Punched (Paper)Taping [180mm Reel]
Package Quantity	4000pcs
Weight	0.004g

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



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