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Stocking Distributor

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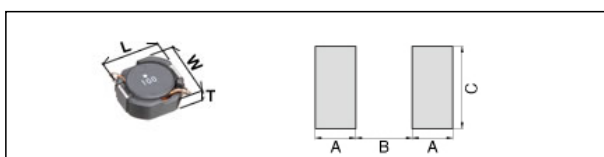
[CLF7045T-6R8N-CA](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

CLF7045T-6R8N-CA

Applications		Automotive Grade
Feature		Wire Wound
		Magnetic Shield
		Ferrite Core
		AEC-Q200
Series	CLF-CA Series / CLF7045-CA Type	
Status	Production	



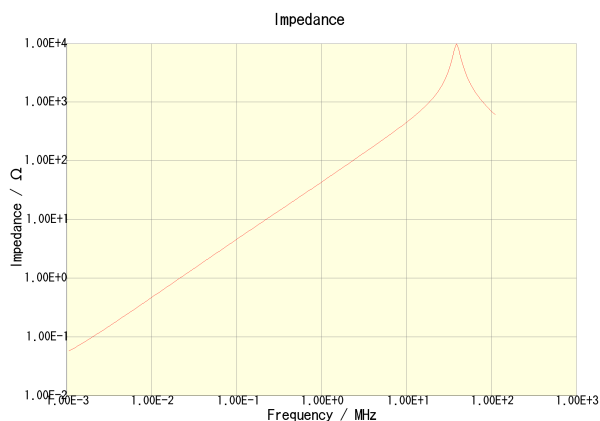
Size	
Length(L)	7.20mm +/-0.20mm
Width(W)	6.90mm +/-0.20mm
Thickness(T)	4.50mm +/-0.30mm
Recommended Land Pattern (A)	1.70mm Nom.
Recommended Land Pattern (B)	4.40mm Nom.
Recommended Land Pattern (C)	2.20mm Nom.

Electrical Characteristics	
Inductance	6.8uH +/-30% at 100kHz
Rated Current (L Change) [Typ.]	3.3A (10% Down)
Rated Current (Temperature Rise) [Typ.]	3A (30degC Rise)
DC Resistance [Nom.]	27mΩ
DC Resistance [Max.]	35.1mΩ

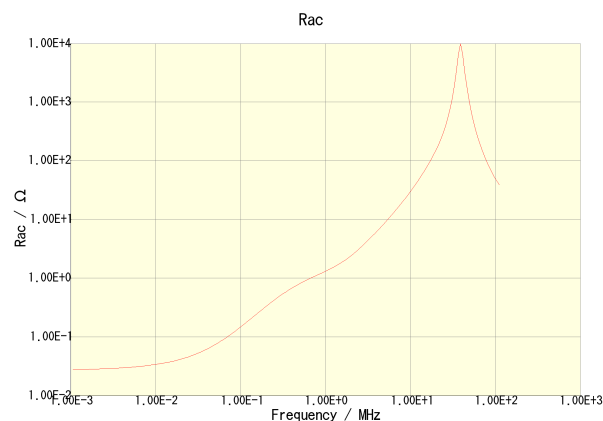
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	Yes
Packing	Blister (Plastic)Taping [330mm Reel]
Package Quantity	1000Pcs Min.
Weight	0.8g

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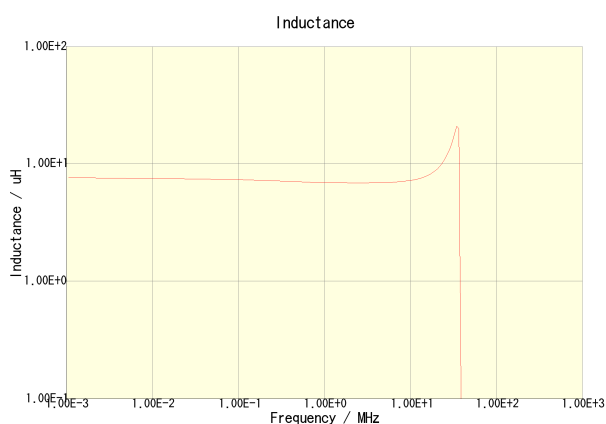
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



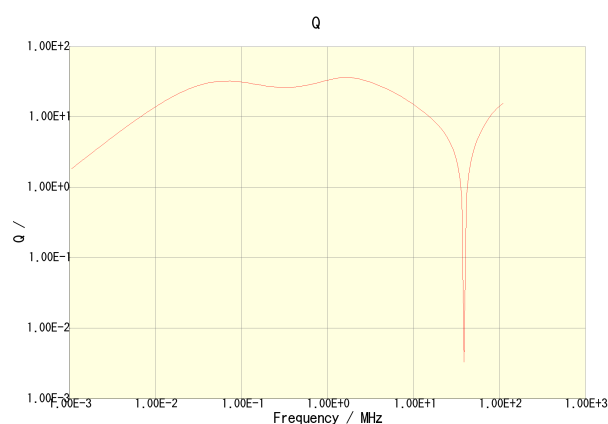
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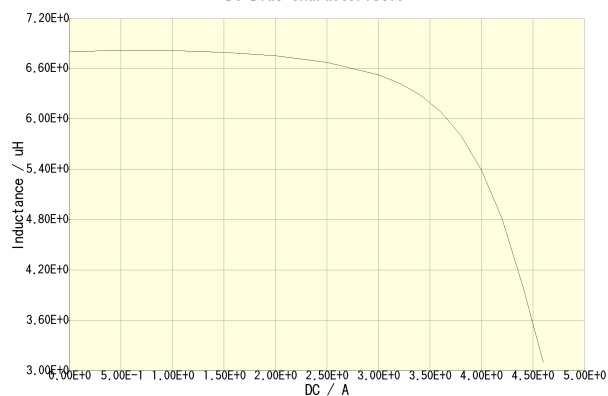


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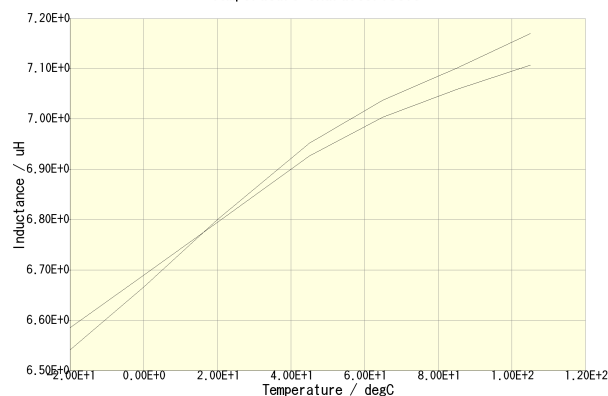
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

DC Bias Characteristic



CLF7045T-6R8N-CA(Amb. Temp. = 20degc)

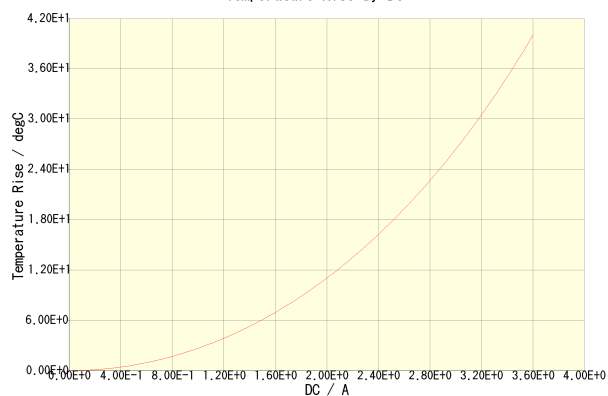
Temperature Characteristic



CLF7045T-6R8N-CA(DC = 0A)

CLF7045T-6R8N-CA(DC = 1.5A)

Temperature Rise by DC



CLF7045T-6R8N-CA(Amb. Temp. = 20degc)