






CLF6045T-100M-CA

Applications		Automotive Grade
Feature		Wire Wound
		Magnetic Shield
		Ferrite Core
		AEC-Q200
Series	CLF-CA Series / CLF6045-CA Type	
Status	PROD	



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.

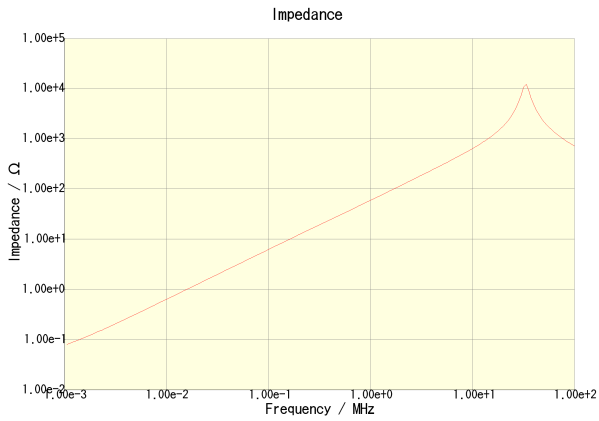
Electrical Characteristics	
Inductance	10uH +/-20% at 100kHz
Rated Current (L Change) [Typ.]	1.7A (10% Down)
Rated Current (Temperature Rise) [Typ.]	2.4A (30degC Rise)
DC Resistance [Nom.]	38mΩ
DC Resistance [Max.]	45.6mΩ

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	0.6g

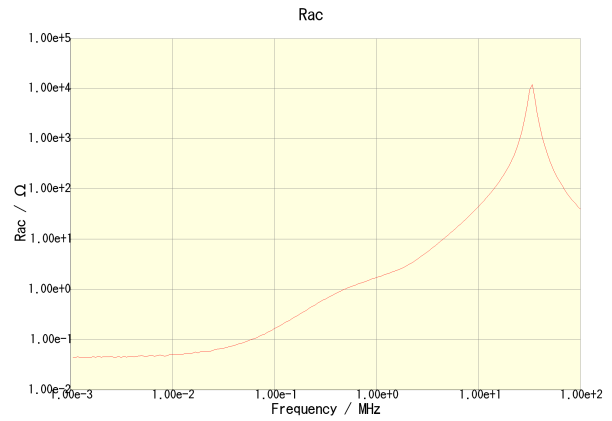
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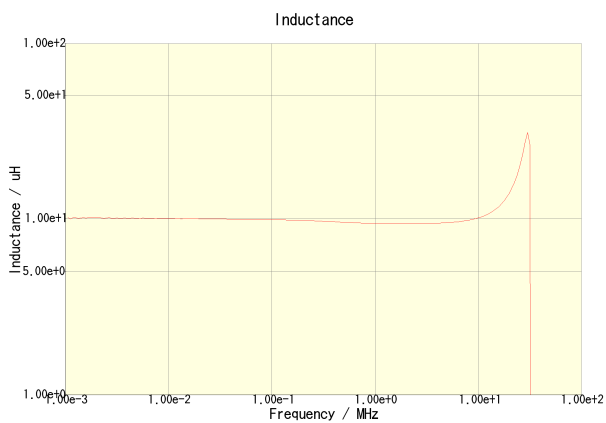
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



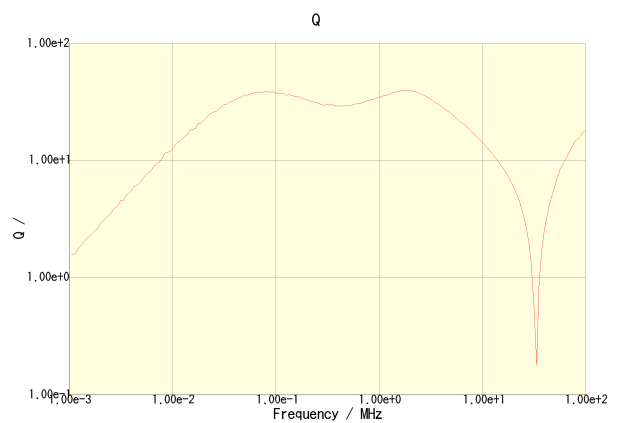
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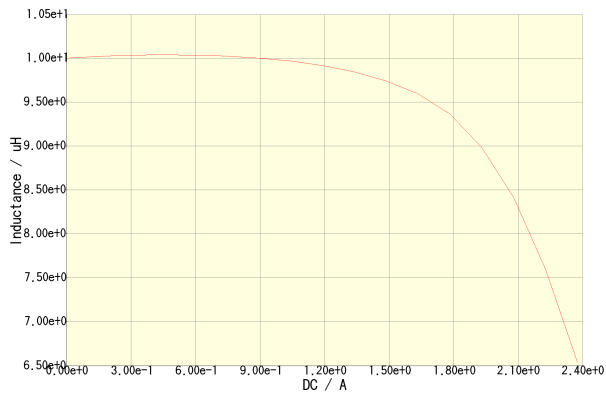
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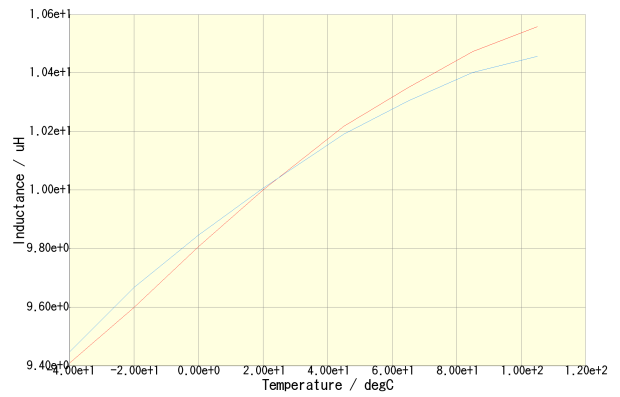
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DC Bias Characteristic



CLF6045T-100M-CA(Amb. Temp. = 20degc)

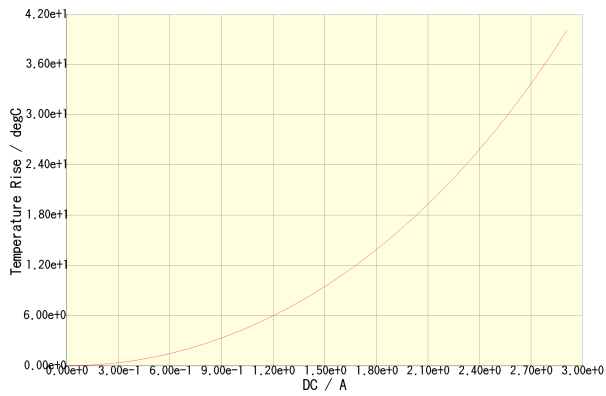
Temperature Characteristic



CLF6045T-100M-CA(DC = 0A)

CLF6045T-100M-CA(DC = 0.85A)

Temperature Rise by DC



CLF6045T-100M-CA(Amb. Temp. = 20degc)

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