






# CLF7045T-100M-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.

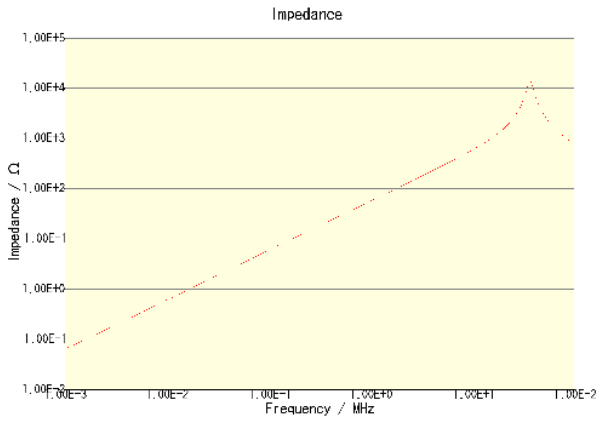
Electrical Characteristics	
Inductance	10uH +/-20% at 100kHz
Rated Current (L Change) [Typ.]	2.7A (10% Down)
Rated Current (Temperature Rise) [Typ.]	2.5A (30degC Rise)
DC Resistance [Nom.]	38mΩ
DC Resistance [Max.]	45.6mΩ

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	0.8g

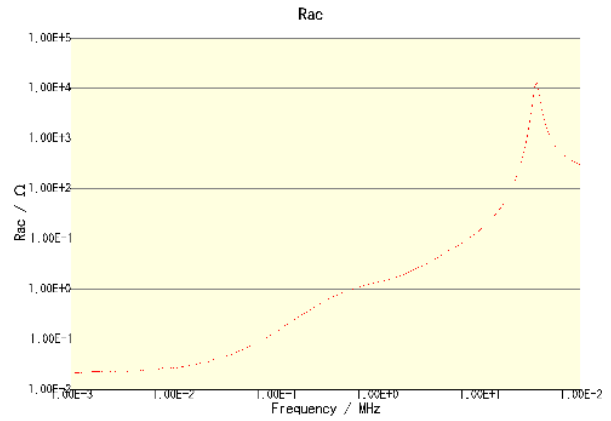
•This PDF document was created based on the data listed on the TDK Corporation website.  
 •All specifications are subject to change without notice.

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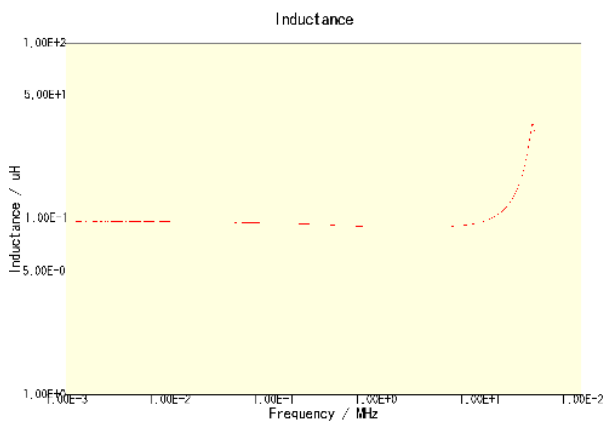
**Characteristic Graphs** (This is reference data, and does not guarantee the product's characteristics.)



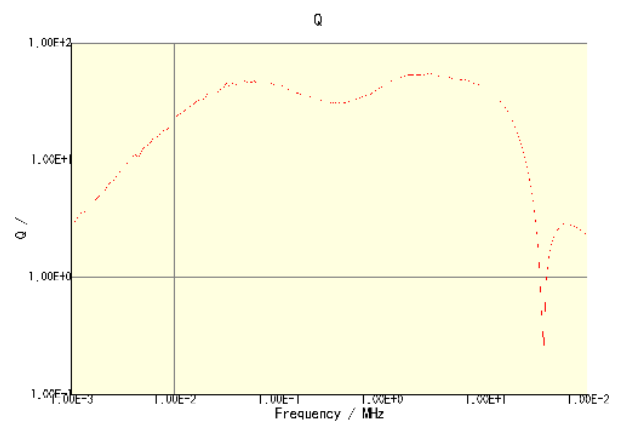
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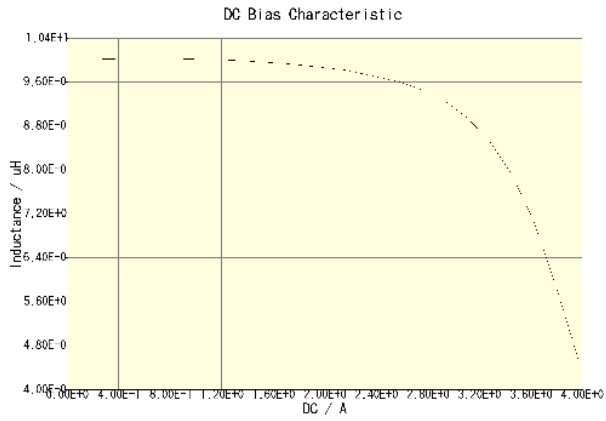


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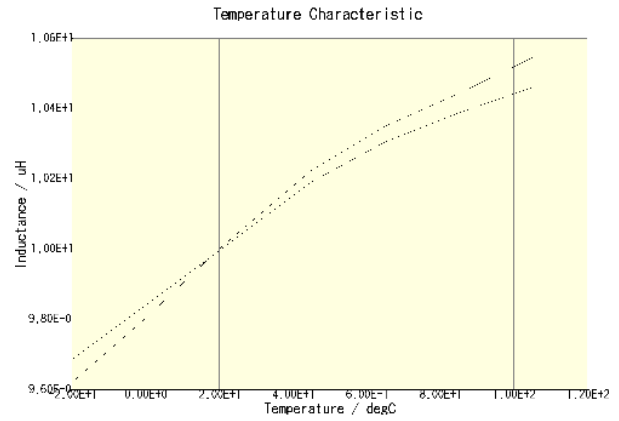
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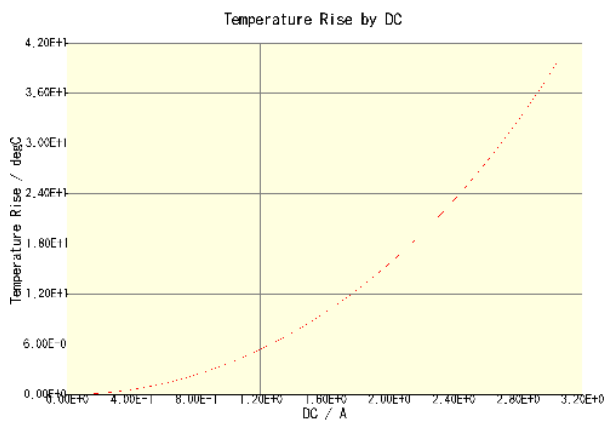


CLF7045T-100M-CA(Amb. Temp. = 20degc)



CLF7045T-100M-CA(DC = 0A)

CLF7045T-100M-CA(DC = 1.25A)



CLF7045T-100M-CA(Amb. Temp. = 20degc)

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