






# CLF7045T-331M-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.

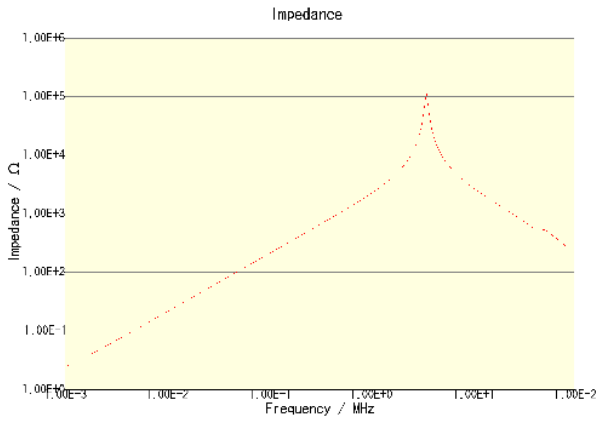
Electrical Characteristics	
Inductance	330uH +/-20% at 100kHz
Rated Current (L Change) [Typ.]	490mA (10% Down)
Rated Current (Temperature Rise) [Typ.]	420mA (30degC Rise)
DC Resistance [Nom.]	1.03Ω
DC Resistance [Max.]	1.236Ω

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

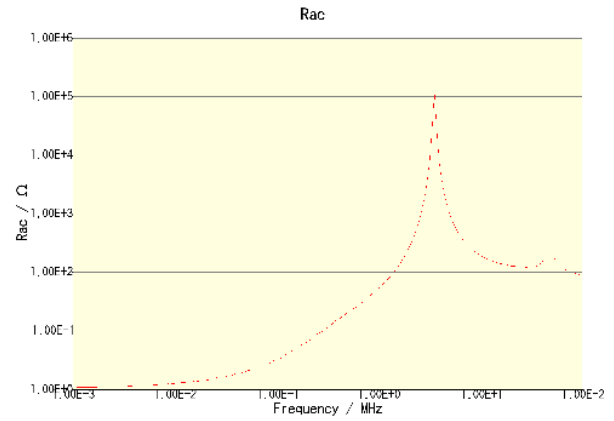
•This PDF document was created based on the data listed on the TDK Corporation website.  
 •All specifications are subject to change without notice.

# CLF7045T-331M-CA

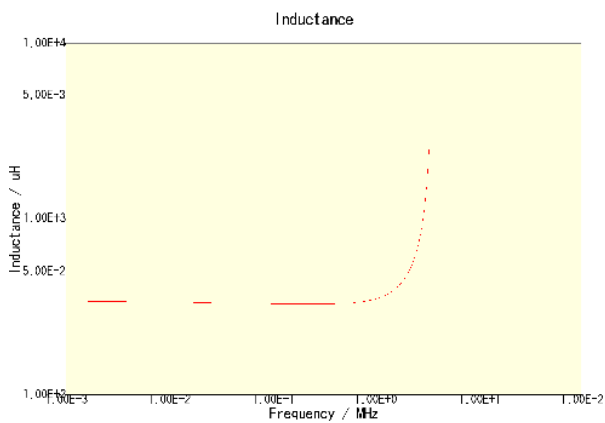
**Characteristic Graphs** (This is reference data, and does not guarantee the product's characteristics.)



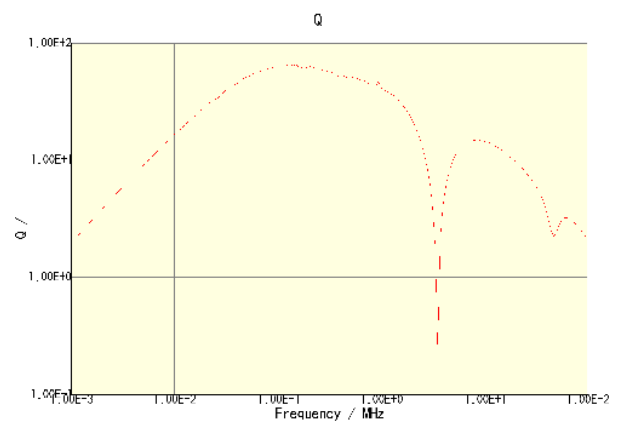
CLF7045T-331M-CA



CLF7045T-331M-CA



CLF7045T-331M-CA

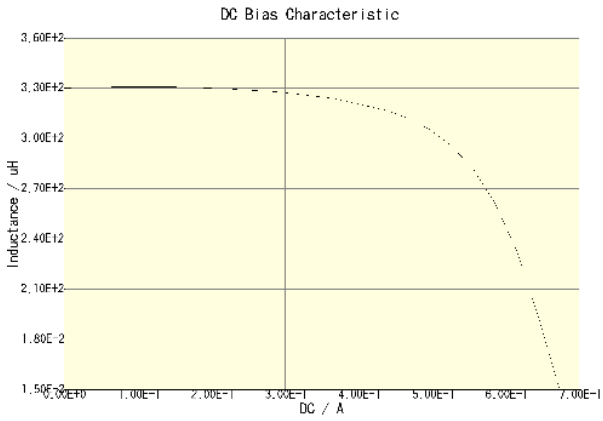


CLF7045T-331M-CA

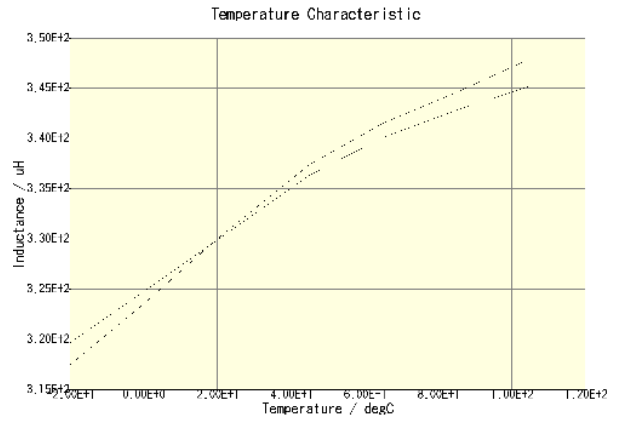
•This PDF document was created based on the data listed on the TDK Corporation website.  
 •All specifications are subject to change without notice.

# CLF7045T-331M-CA

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

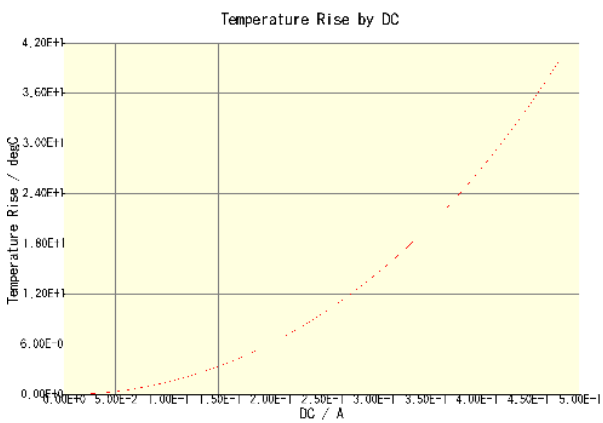


CLF7045T-331M-CA(Amb. Temp. = 20degc)



CLF7045T-331M-CA(DC = 0A)

CLF7045T-331M-CA(DC = 0.21A)



CLF7045T-331M-CA(Amb. Temp. = 20degc)

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