

## Excellent Integrated System Limited

Stocking Distributor


Click to view price, real time Inventory, Delivery & Lifecycle Information:

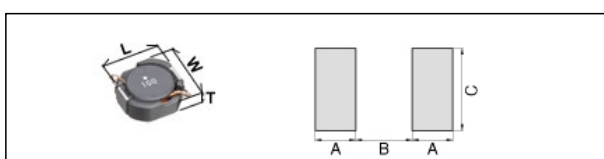
[TDK Corporation](#)  
[CLF6045T-680M-CA](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

## CLF6045T-680M-CA

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



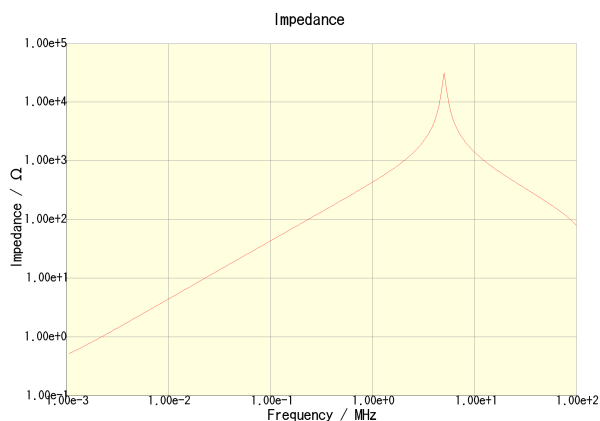
Size	
Length(L)	6.20mm +/-0.20mm
Width(W)	5.90mm +/-0.20mm
Thickness(T)	4.50mm +/-0.30mm
Recommended Land Pattern (A)	1.70mm Nom.
Recommended Land Pattern (B)	3.60mm Nom.
Recommended Land Pattern (C)	2.20mm Nom.

Electrical Characteristics	
Inductance	68uH +/-20% at 100kHz
Rated Current (L Change) [Typ.]	790mA (10% Down)
Rated Current (Temperature Rise) [Typ.]	1A (30degC Rise)
DC Resistance [Nom.]	215mΩ
DC Resistance [Max.]	258mΩ

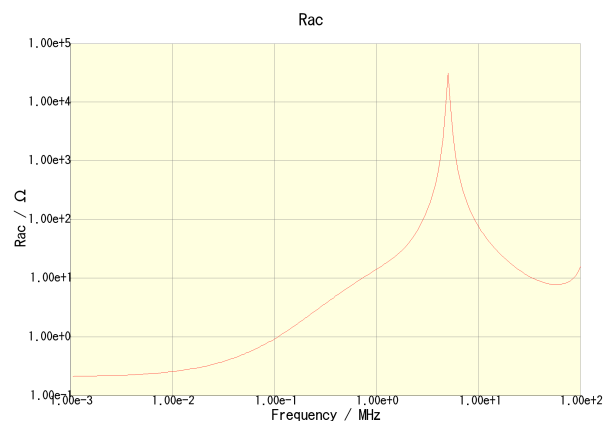
Other	
Operating Temp. Range (Including Self-Temp. Rise)	-40 to 105degC
Soldering Method	Reflow, Iron Soldering
AEC Q200	Yes
Packing	Blister (Plastic)Taping [330mm Reel]
Package Quantity	1000Pcs Min.
Weight	0.6g

## CLF6045T-680M-CA

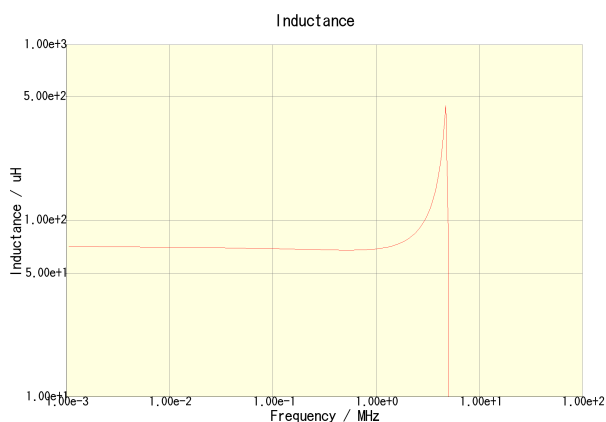
### Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



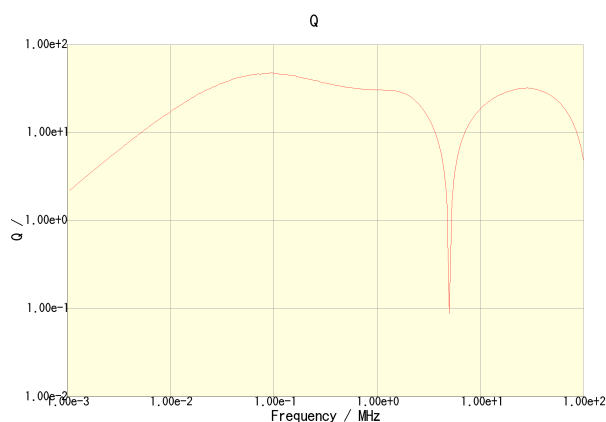
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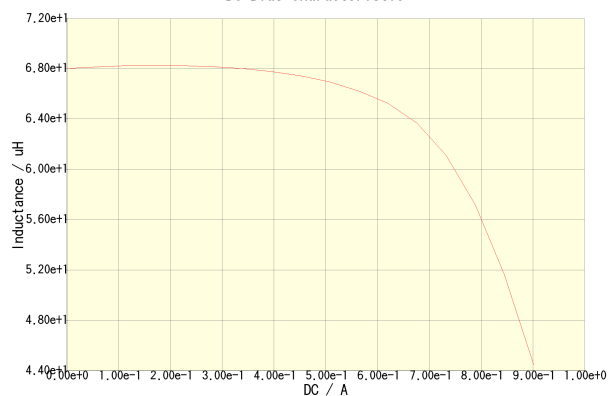


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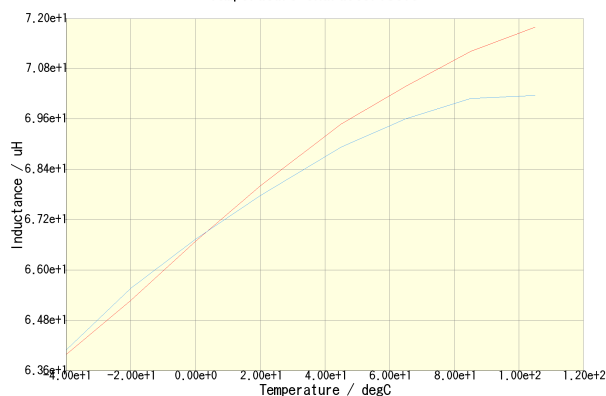
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DC Bias Characteristic



CLF6045T-680M-CA(Amb. Temp. = 20degc)

Temperature Characteristic



CLF6045T-680M-CA(DC = 0A)

CLF6045T-680M-CA(DC = 0.395A)

Temperature Rise by DC



CLF6045T-680M-CA(Amb. Temp. = 20degc)