

Excellent Integrated System Limited

Stocking Distributor

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

TDK Corporation CLF7045T-680M-CA

For any questions, you can email us directly: sales@integrated-circuit.com



Distributor of TDK Corporation: Excellent Integrated System Limited

Datasheet of CLF7045T-680M-CA - FIXED IND 68UH 950MA 252 MOHM Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

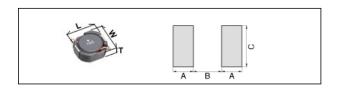
Inductors(Coils)

1 of 3

Creation Date : January 26 2016

CLF7045T-680M-CA

| Applications | ~ | Automotive Grade |
|--------------|---------------------------------|------------------|
| Feature | Wire Wound | Wire Wound |
| | Shield | Magnetic Shield |
| | Ferrite Core | Ferrite Core |
| | AEC-Q200 | 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 | 68uH +/-20% at 100kHz | | | |
| Rated Current (L Change) [Typ.] | 1.1A (10% Down) | | | |
| Rated Current (Temperature Rise) [Typ.] | 950mA (30degC Rise) | | | |
| DC Resistance [Nom.] | 210mΩ | | | |
| DC Resistance [Max.] | 252mΩ | | | |

| 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 | | | |

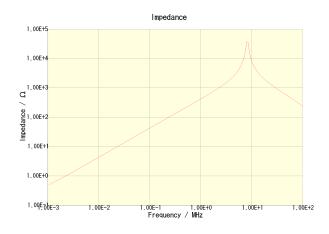
•This PDF document was created based on the data listed on the TDK Corporation website.

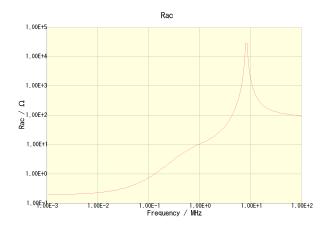
Inductors(Coils)

2 of 3 Creation Date :January 26 2016

CLF7045T-680M-CA

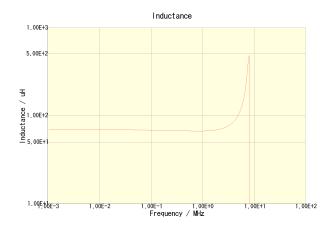
Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

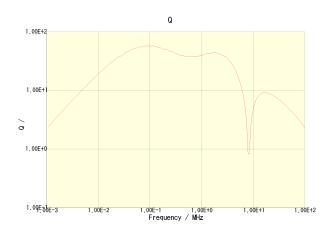




CLF7045T-680M-CA

CLF7045T-680M-CA





CLF7045T-680M-CA

CLF7045T-680M-CA

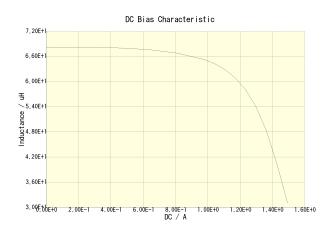
Inductors(Coils)

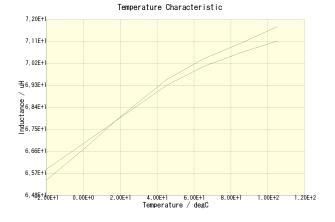
3 of 3

Creation Date :January 26 2016

CLF7045T-680M-CA

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





CLF7045T-680M-CA(Amb. Temp. = 20degc)

CLF7045T-680M-CA(DC = 0A)

CLF7045T-680M-CA(DC = 0.475A)



CLF7045T-680M-CA(Amb. Temp. = 20degc)