

## **Excellent Integrated System Limited**

Stocking Distributor

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

TDK Corporation CLF6045T-470M-CA

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



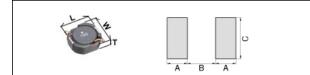
**Distributor of TDK Corporation: Excellent Integrated System Limited** Datasheet of CLF6045T-470M-CA - FIXED IND 47UH 1.3A 156 MOHM SMD Contact us: sales@integrated-circuit.com Website: www.integrated-circuit.com

CLEGO4ET 470M CA

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# CLF6045T-470M-CA

| Applications | €                               | Automotive Grade |
|--------------|---------------------------------|------------------|
| Feature      | Wire Wound                      | Wire Wound       |
|              | Shield                          | Magnetic Shield  |
|              | Ferrite Core                    | Ferrite Core     |
|              | AEC-Q200                        | 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                              | 47uH +/-20% at 100kHz |  |  |  |
| Rated Current (L Change) [Typ.]         | 900mA (10% Down)      |  |  |  |
| Rated Current (Temperature Rise) [Typ.] | 1.3A (30degC Rise)    |  |  |  |
| DC Resistance [Nom.]                    | 130mΩ                 |  |  |  |
| DC Resistance [Max.]                    | 156mΩ                 |  |  |  |

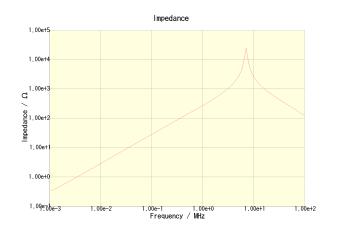
| Other                                             |                                      |  |  |  |
|---------------------------------------------------|--------------------------------------|--|--|--|
| Operating Temp. Range (Including Self-Temp. Rise) | -40 to 105degC                       |  | 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

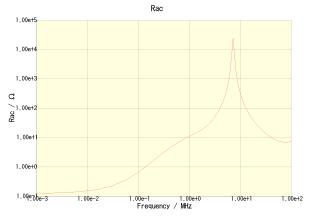


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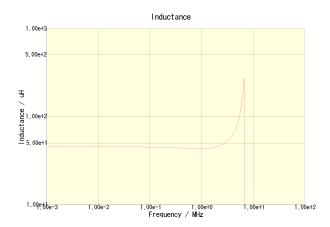
#### Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)

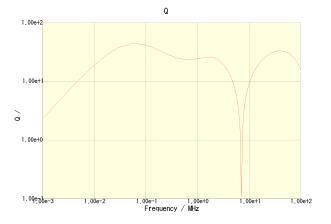




CLF6045T-470M-CA







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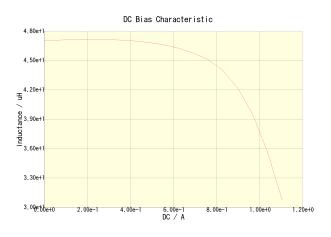
•This PDF document was created based on the data listed on the TDK Corporation website.

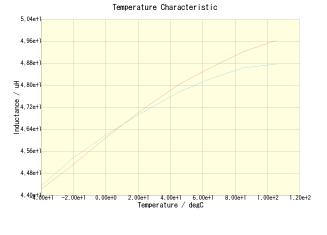


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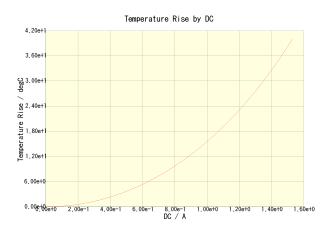




CLF6045T-470M-CA(Amb. Temp. = 20degc)

CLF6045T-470M-CA(DC = 0A)

CLF6045T-470M-CA(DC = 0.45A)



CLF6045T-470M-CA(Amb. Temp. = 20degc)