

## Excellent Integrated System Limited

Stocking Distributor

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

[TDK Corporation](#)

[CLF6045T-6R8N-CA](#)

For any questions, you can email us directly:

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

## CLF6045T-6R8N-CA

Applications  Automotive Grade

Feature  Wire Wound

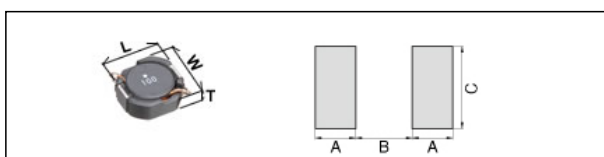
 Magnetic Shield

 Ferrite Core

 AEC-Q200

Series CLF-CA Series / CLF6045-CA Type

Status PROD



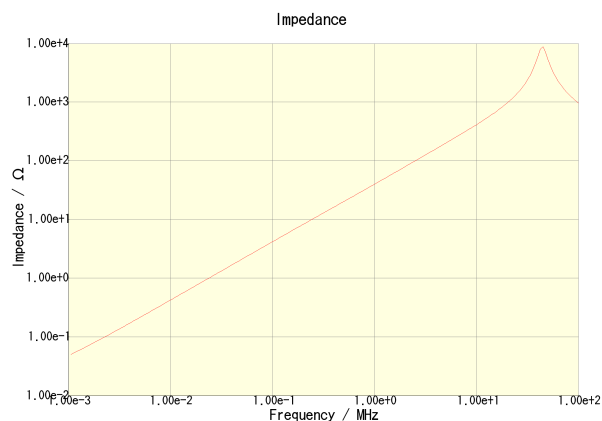
| Size                         |                  |
|------------------------------|------------------|
| Length(L)                    | 6.20mm +/-0.20mm |
| Width(W)                     | 5.90mm +/-0.20mm |
| Thickness(T)                 | 4.50mm +/-0.30mm |
| Recommended Land Pattern (A) | 1.70mm Nom.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

| Electrical Characteristics              |                        |
|-----------------------------------------|------------------------|
| Inductance                              | 6.8uH +/-30% at 100kHz |
| Rated Current (L Change) [Typ.]         | 2.2A (10% Down)        |
| Rated Current (Temperature Rise) [Typ.] | 2.9A (30degC Rise)     |
| DC Resistance [Nom.]                    | 27mΩ                   |
| DC Resistance [Max.]                    | 35.1mΩ                 |

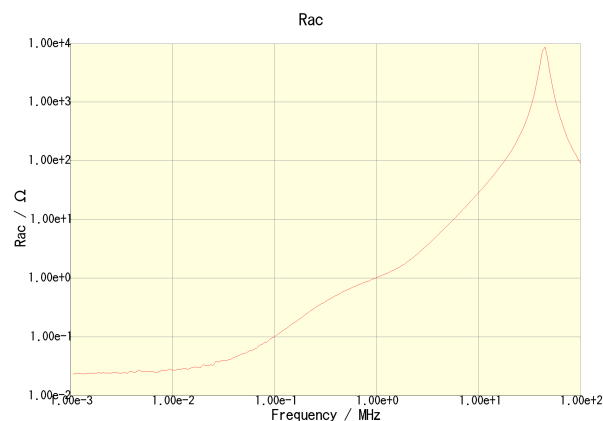
| Other                                             |                                      |
|---------------------------------------------------|--------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -40 to 105degC                       |
| Soldering Method   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

## CLF6045T-6R8N-CA

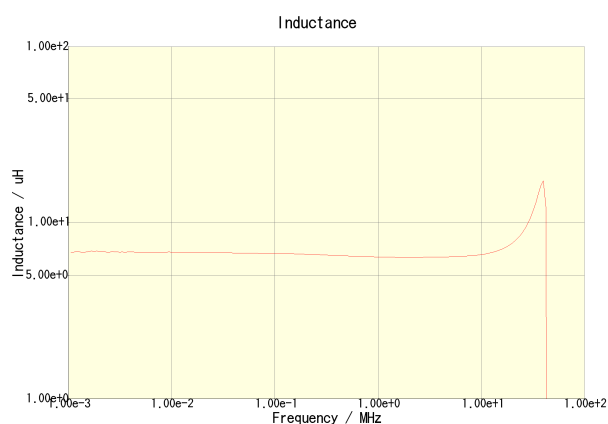
### Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



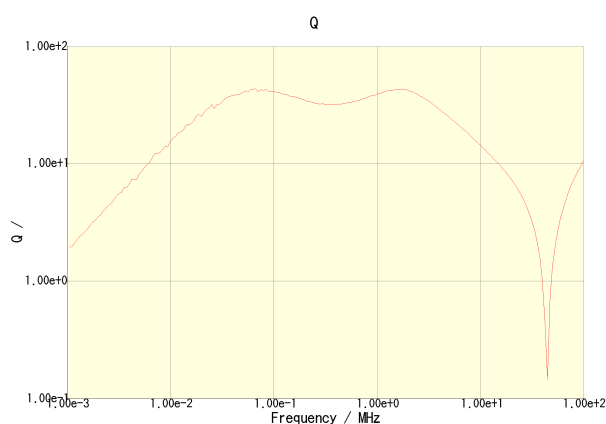
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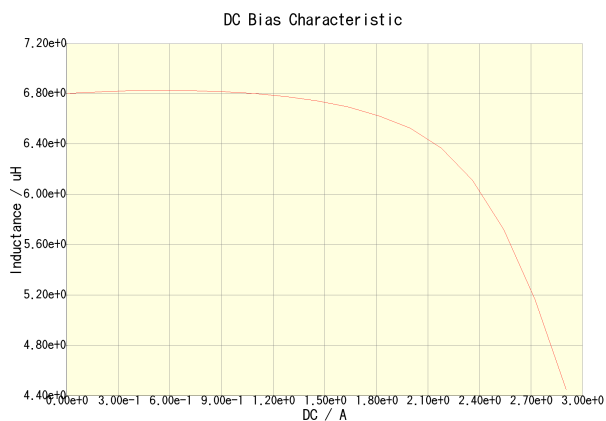
CLF6045T-6R8N-CA



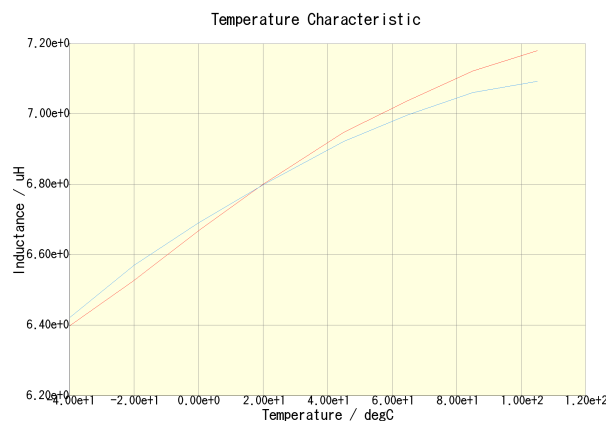
CLF6045T-6R8N-CA

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

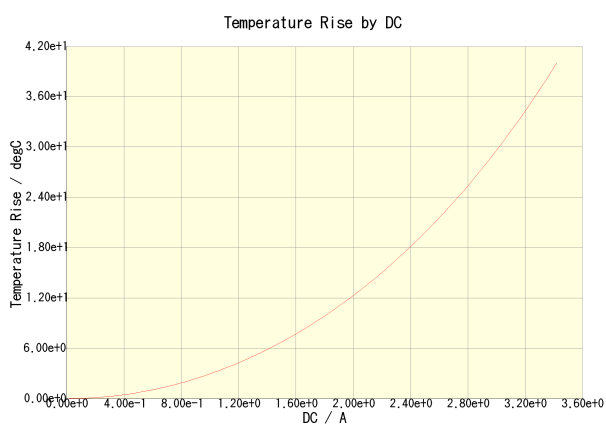


CLF6045T-6R8N-CA(Amb. Temp. = 20degc)



CLF6045T-6R8N-CA(DC = 0A)

CLF6045T-6R8N-CA(DC = 1.1A)



CLF6045T-6R8N-CA(Amb. Temp. = 20degc)