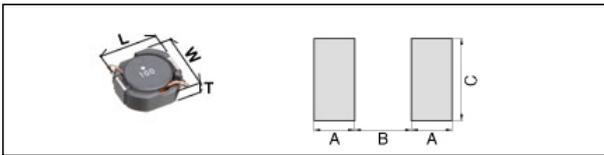


# CLF12555T-1R0N-CA

|              |   |                  |
|--------------|---|------------------|
| Applications |  | Automotive Grade |
| Feature      |  | Wire Wound       |
|              |  | Magnetic Shield  |
|              |  | Ferrite Core     |
|              |  | AEC-Q200         |
| Series       | CLF-CA Series / CLF12555-CA Type  |                  |
| Status       | Production  |                  |



| Size                         |                       |
|------------------------------|-----------------------|
| Length(L)                    | 12.50mm +/-0.30mm     |
| Width(W)                     | 12.10mm +0.30/-0.20mm |
| Thickness(T)                 | 5.50mm +/-0.35mm      |
| Recommended Land Pattern (A) | 2.70mm Nom.           |
| Recommended Land Pattern (B) | 8.30mm Nom.           |
| Recommended Land Pattern (C) | 3.20mm Nom.           |

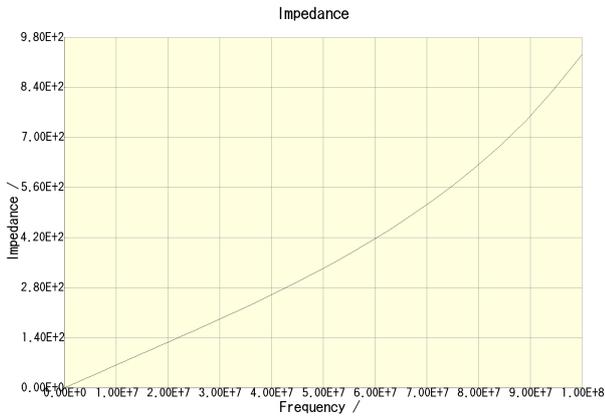
| Electrical Characteristics              |                      |
|---|----------------------|
| Inductance                              | 1uH +/-30% at 100kHz |
| Rated Current (L Change) [Typ.]         | 20A (10% Down)       |
| Rated Current (Temperature Rise) [Typ.] | 7.3A (30degC Rise)   |
| DC Resistance [Nom.]                    | 6.4mΩ                |
| DC Resistance [Max.]                    | 8.3mΩ                |

| 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                                  | 500Pcs Min.                          |
| Weight  | 3g                                   |

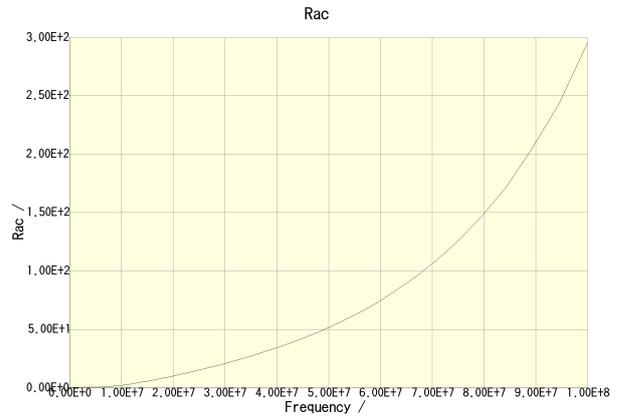
•This PDF document was created based on the data listed on the TDK Corporation website.  
 •All specifications are subject to change without notice.

# CLF12555T-1R0N-CA

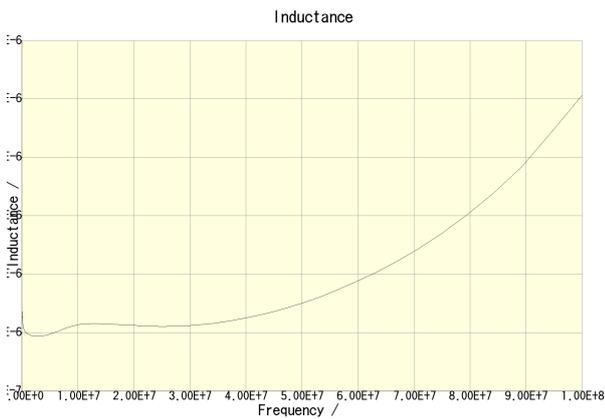
**Characteristic Graphs** (This is reference data, and does not guarantee the product's characteristics.)



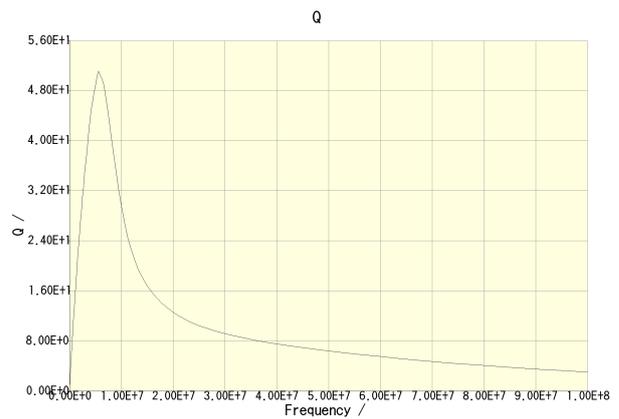
CLF12555T-1R0N-CA



CLF12555T-1R0N-CA



CLF12555T-1R0N-CA

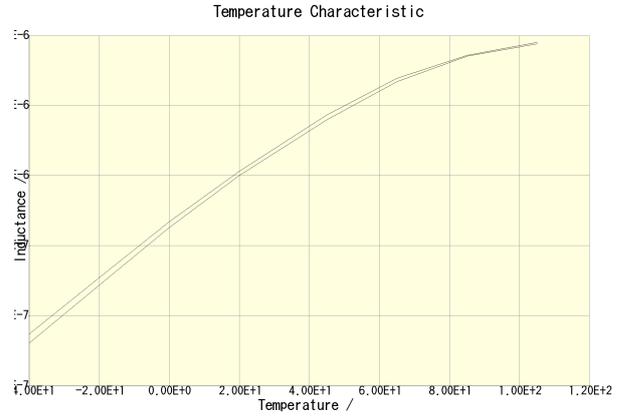
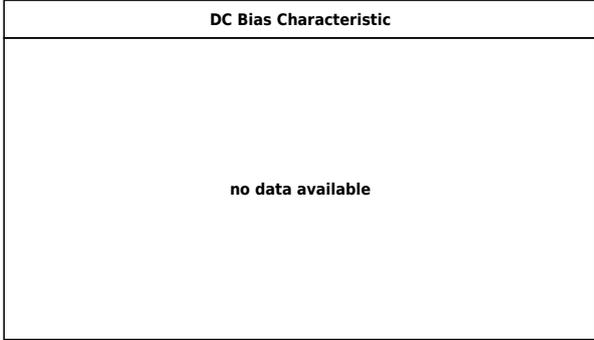


CLF12555T-1R0N-CA

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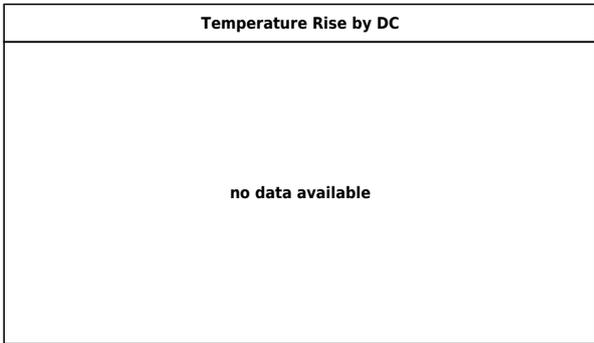
# CLF12555T-1R0N-CA

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



CLF12555T-1R0N-CA(DC = 0A)

CLF12555T-1R0N-CA(DC = 3.65A)



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