

|                      |  |
|----------------------|--|
| <b>Applications</b>  | Commercial Grade   |
| <b>Feature</b>       | <div>Wire Wound</div> <div>Wire Wound</div> <div>Shield</div> <div>Magnetic Shield</div> <div>Ferrite Core</div> <div>Ferrite Core</div>   |
| <b>Series   Type</b> | CLF  |
| <b>Status</b>        | <div> Obsolete</div> <div>Recommended Alternate Part No. : <a href="#">CLF10040T-2R2N-D</a> (Interchangeability is not guaranteed.)</div> <div>Discontinue Issue Date : May.18, 2017</div> <div>Last Purchase Order Date : Mar.29, 2019</div> <div>Last Shipment Date : Sep.30, 2019</div> |
| <b>Brand</b>         | TDK  |



| Size                         |                 |
|------------------------------|-----------------|
| Length(L)                    | 10.00mm ±0.30mm |
| Width(W)                     | 9.70mm ±0.30mm  |
| Thickness   Height           | 3.80mm ±0.30mm  |
| Recommended Land Pattern (A) | 2.50mm Nom.     |
| Recommended Land Pattern (B) | 5.60mm Nom.     |
| Recommended Land Pattern (C) | 3.20mm Nom.     |

| Electrical Characteristics              |                      |
|---|----------------------|
| Inductance                              | 2.2μH ±30% at 100kHz |
| Rated Current (L Change) [Typ.]         | 7.5A (10% Down)      |
| Rated Current (L Change) [Max.]         |                      |
| Rated Current (Temperature Rise) [Typ.] | 5A (30°C Rise)       |
| Rated Current (Temperature Rise) [Max.] |                      |
| DC Resistance [Typ.]                    | 9.7mΩ                |
| DC Resistance [Max.]                    | 12.61mΩ              |
| Self Resonant Frequency [Min.]          |                      |
| Self Resonant Frequency [Typ.]          |                      |
| Q [Min.]                                |                      |
| Q [Typ.]                                |                      |

| Other   |                                    |
|---|------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -40 to 105°C                       |
| Soldering Method                                  | Reflow<br>Iron Soldering           |
| AEC-Q200  | NO                                 |
| Packing   | Punched (Paper)Taping [330mm Reel] |

! Images are for reference only and show exemplary products.  
! This PDF document was created based on the data listed on the TDK Corporation website.  
! All specifications are subject to change without notice.



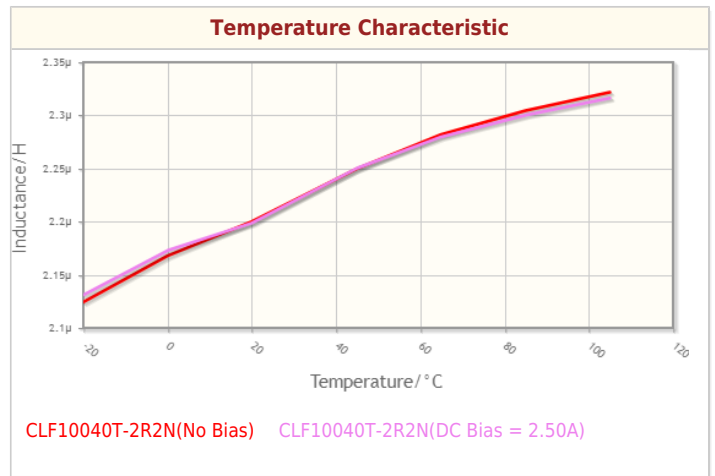
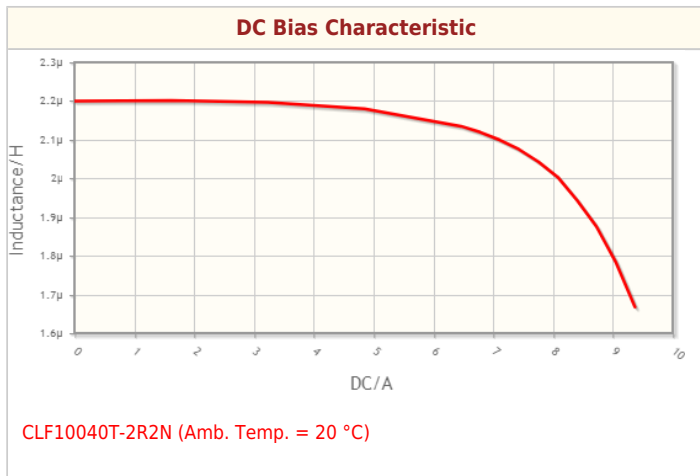
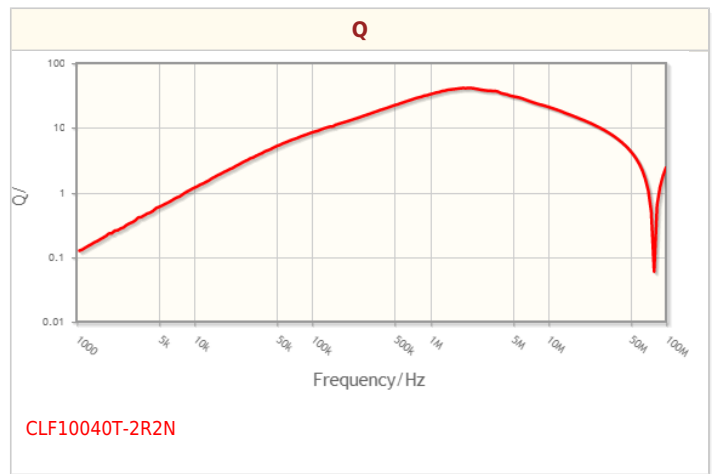
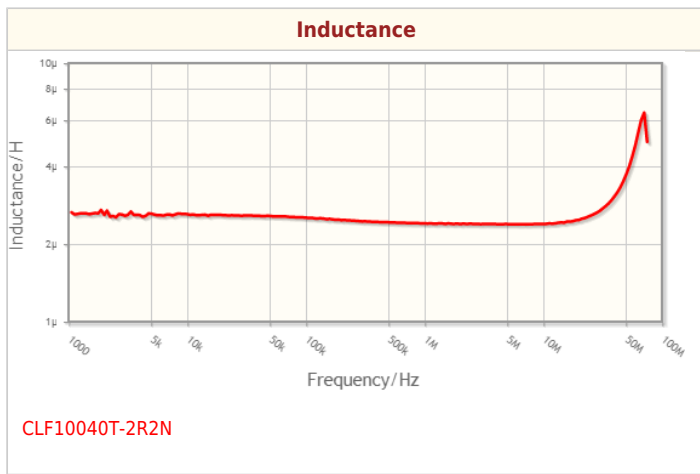
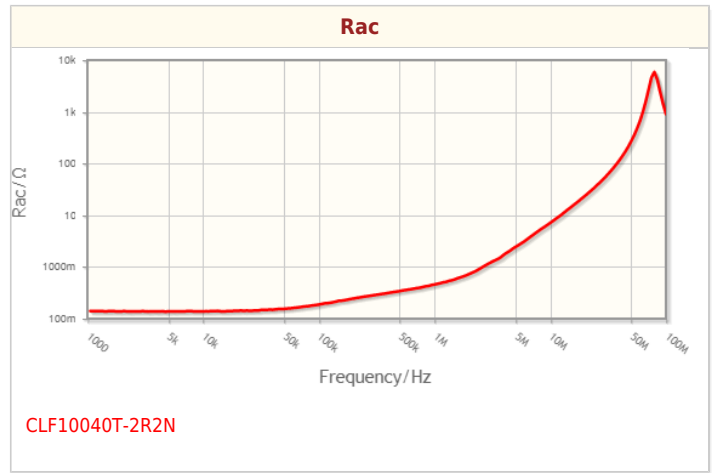
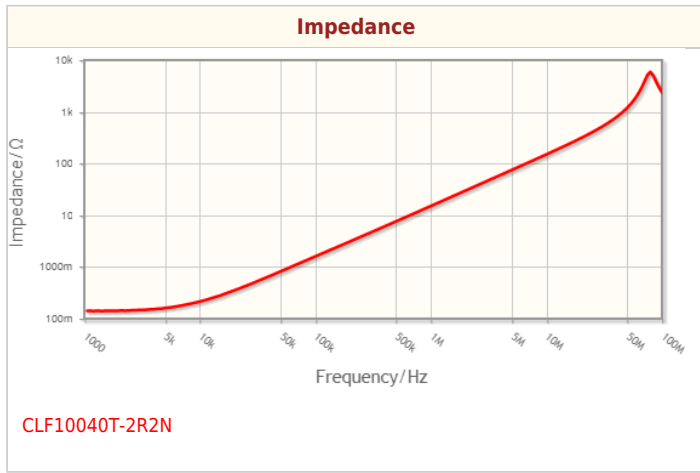
SMD / SMT Inductors (Coils)  
CLF10040T-2R2N

RoHS Reach Pb Free

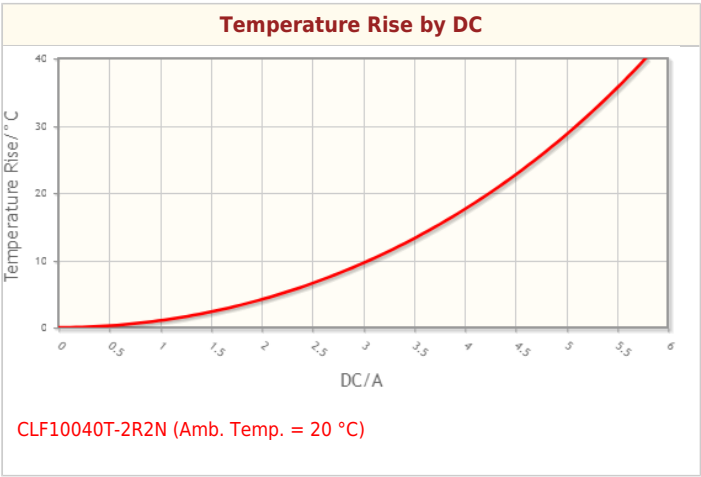
|                  |        |
|------------------|--------|
| Package Quantity | 800pcs |
| Weight           | 1.3g   |

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



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# Associated Images

