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|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Status | Obsolete |
| | Recommended Alternate Part No. : CLF10040T-100M-D (Interchangeability is not guaranteed.) |
| | Discontinue Issue Date : May.18, 2017 |
| | Last Purchase Order Date : Mar.29, 2019 |
| | Last Shipment Date : Sep.30, 2019 |
| Applications | Commercial Grade |
| Feature | Wire WoundWire Wound |
| | ShieldMagnetic Shield |
| | Ferrite CoreFerrite Core |
| Series Type | VLF |
| Brand | TDK |
| Environmental Compliance | <div><div>RoHS</div><div>REACH</div><div>Lead Free</div></div> |



| Size | |
|------------------------------|--------------|
| Length(L) | 10.00mm Nom. |
| Width(W) | 9.70mm Nom. |
| Thickness Height | 4.00mm Max. |
| Recommended Land Pattern (A) | 1.70mm Nom. |
| Recommended Land Pattern (B) | 7.30mm Nom. |
| Recommended Land Pattern (C) | 3.60mm Nom. |

| Electrical Characteristics | |
|-----------------------------------------|---------------------|
| Inductance | 10μH ±20% at 100kHz |
| Rated Current (L Change) [Typ.] | |
| Rated Current (L Change) [Max.] | 3.8A (30% Down) |
| Rated Current (Temperature Rise) [Typ.] | 3.8A (40°C Rise) |
| Rated Current (Temperature Rise) [Max.] | |
| DC Resistance [Typ.] | 28mΩ |
| DC Resistance [Max.] | 33mΩ |
| Rated Voltage [Max.] | |
| Self Resonant Frequency [Min.] | |
| Self Resonant Frequency [Typ.] | |
| Q [Min.] | |
| Q [Typ.] | |

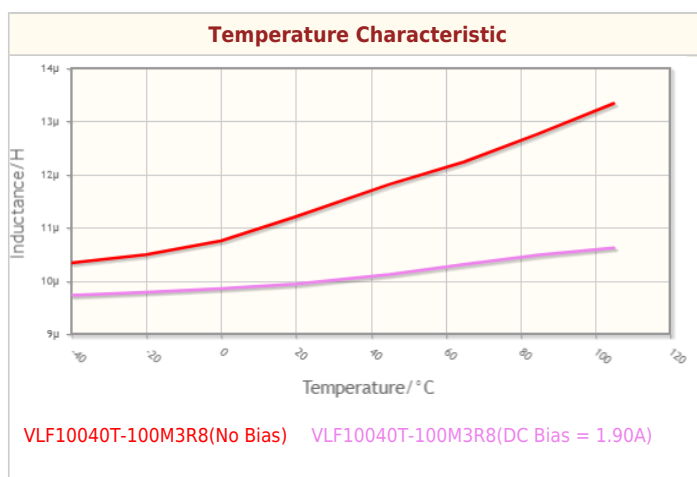
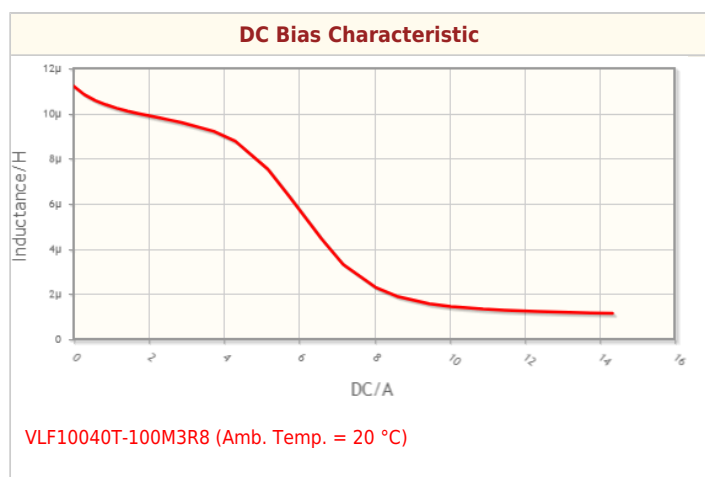
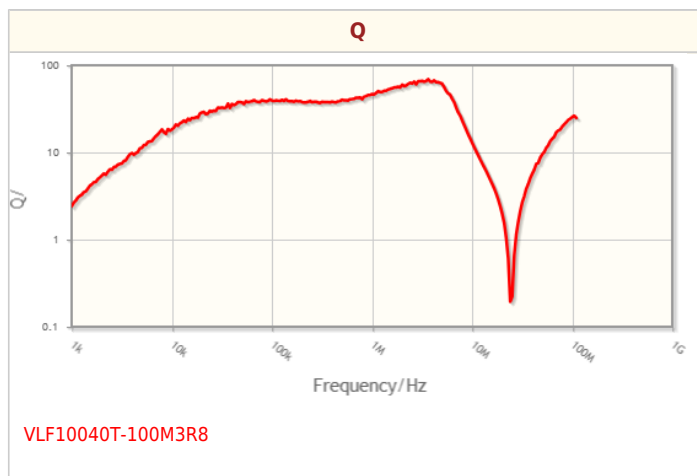
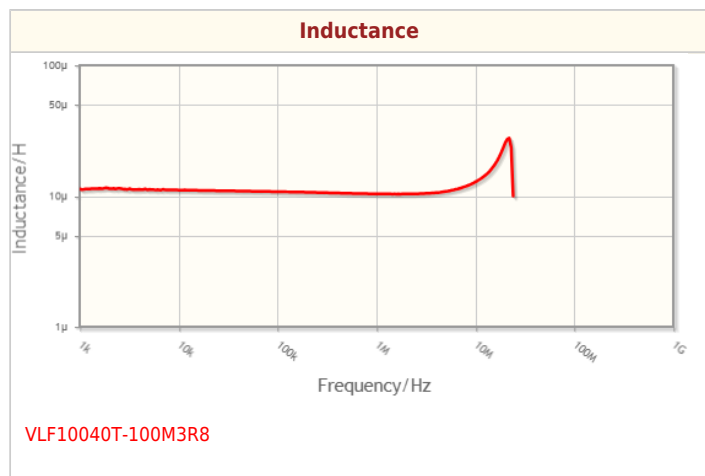
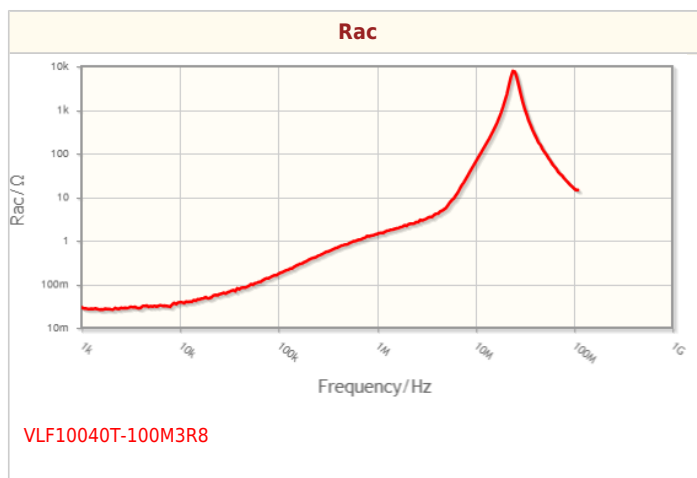
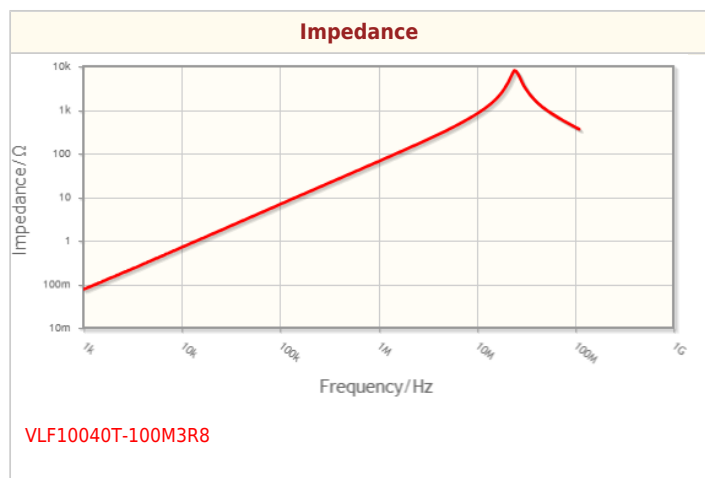
| Other | |
|-----------------------|------------------------------------------|
| Operating Temp. Range | -40 to 105°C (Including Self-Temp. Rise) |

! 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.

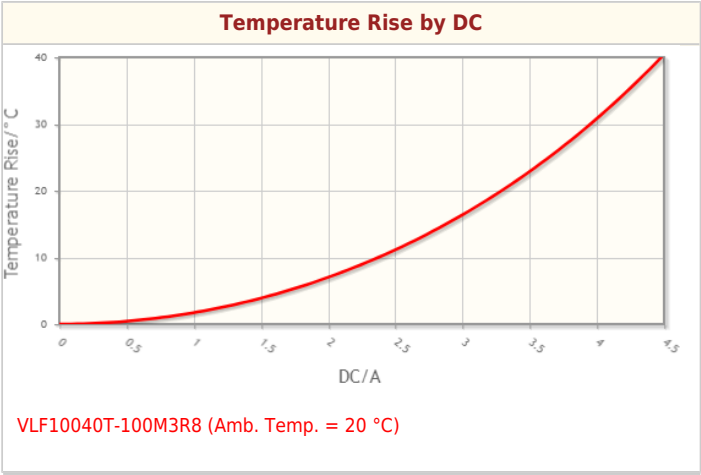
| | |
|------------------|---------------------------------------|
| Soldering Method | Reflow |
| AEC-Q200 | NO |
| Packing | Embossed (Plastic)Taping [330mm Reel] |
| Package Quantity | 500pcs |
| Weight | 1.27g |

VLF10040T-100M3R8

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



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Associated Images

