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|--------------------------|---|
| Product Status | EOL Announced |
| | Recommended Alternate Part No. : VLS5045EX-680M-H (Interchangeability is not guaranteed.) |
| | Discontinue Issue Date : May.14, 2024 |
| | Last Purchase Order Date : Mar.31, 2026 |
| | Last Shipment Date : Dec.31, 2026 |
| Applications | Automotive Grade |
| Feature | AEC-Q200 AEC-Q200 |
| | Wire Wound Wire Wound |
| | Shield Magnetic Shield |
| | Ferrite CoreFerrite Core |
| Series Type | SLF-H |
| Brand | TDK |
| Environmental Compliance |    |



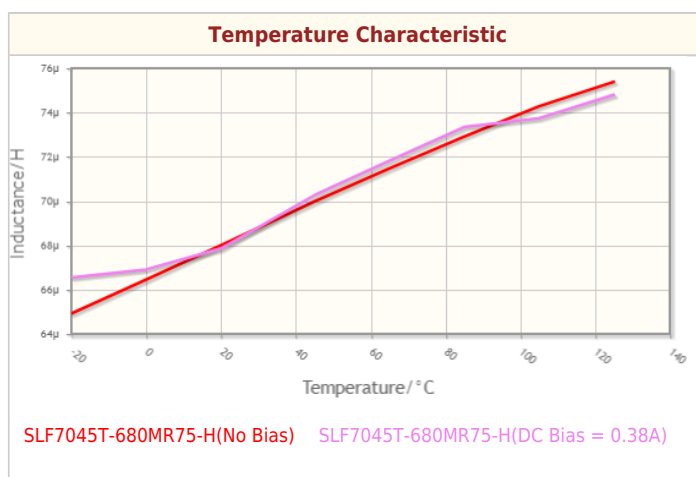
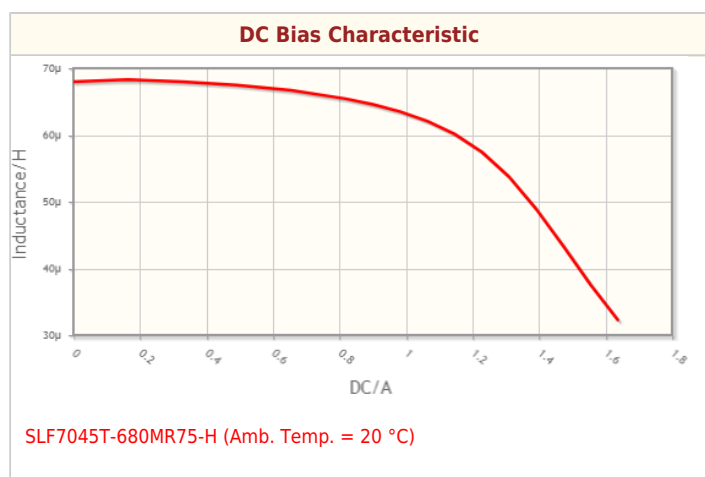
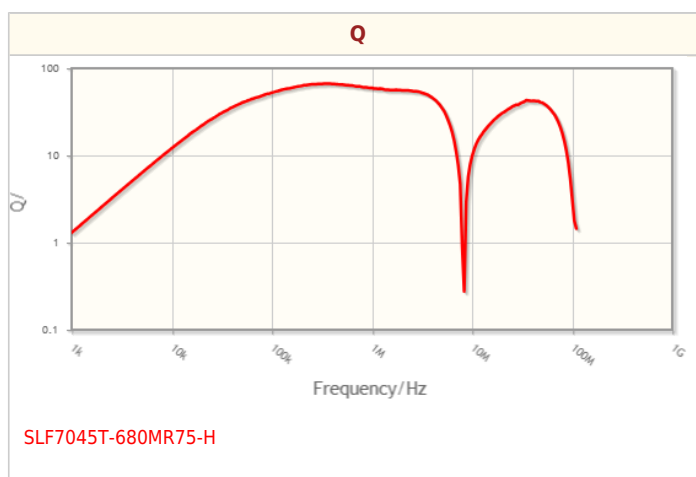
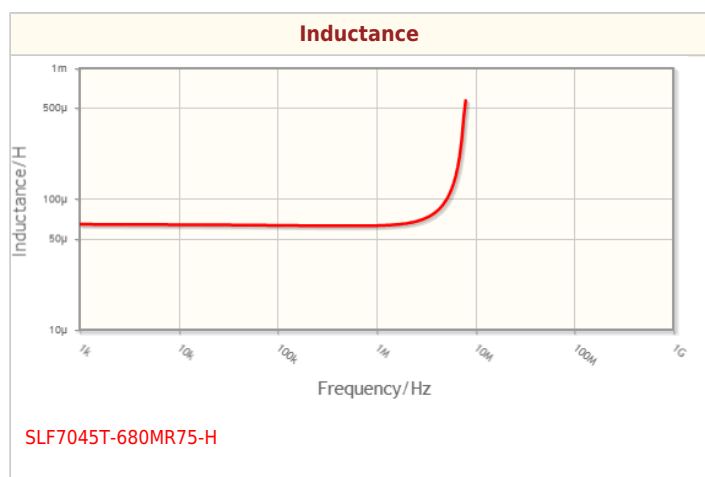
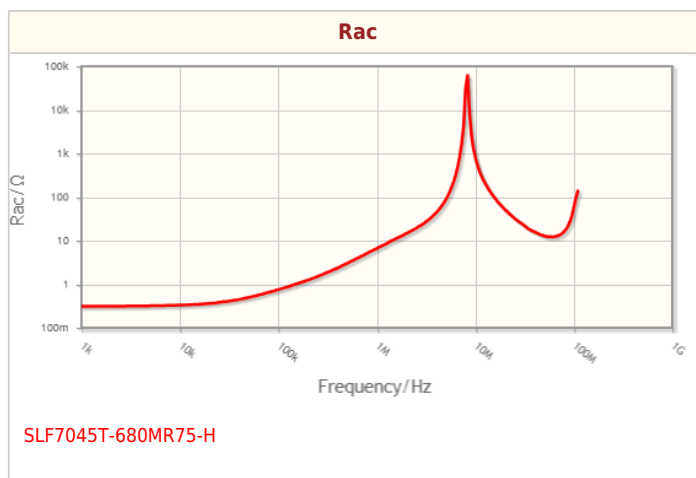
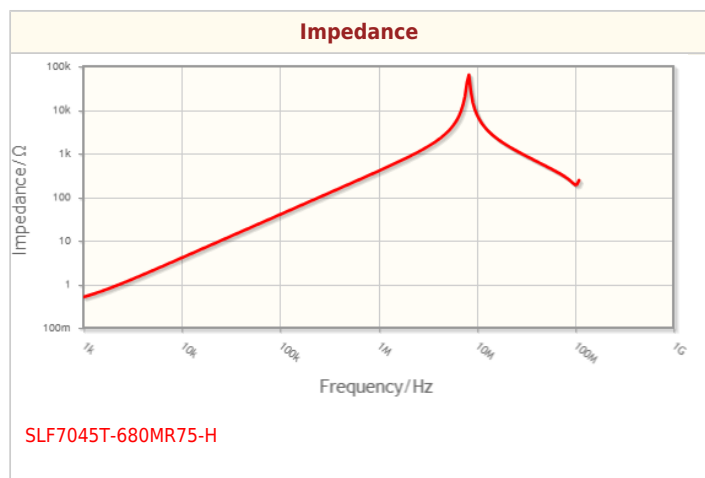
| Size | |
|------------------------------|----------------|
| Length(L) | 7.00mm ±0.20mm |
| Width(W) | 7.00mm ±0.20mm |
| Thickness Height | 4.50mm ±0.30mm |
| Recommended Land Pattern (A) | 1.50mm Nom. |
| Recommended Land Pattern (B) | 4.80mm Nom. |
| Recommended Land Pattern (C) | 2.20mm Nom. |

| Electrical Characteristics | |
|---|---------------------|
| Inductance | 68μH ±20% at 100kHz |
| Rated Current (L Change) [Typ.] | |
| Rated Current (L Change) [Max.] | 750mA (10% Down) |
| Rated Current (Temperature Rise) [Typ.] | 760mA (20°C Rise) |
| Rated Current (Temperature Rise) [Max.] | |
| DC Resistance [Typ.] | 270mΩ |
| DC Resistance [Max.] | 324mΩ |
| Rated Voltage [Max.] | |
| Self Resonant Frequency [Min.] | |
| Self Resonant Frequency [Typ.] | |
| Q [Min.] | |
| Q [Typ.] | |

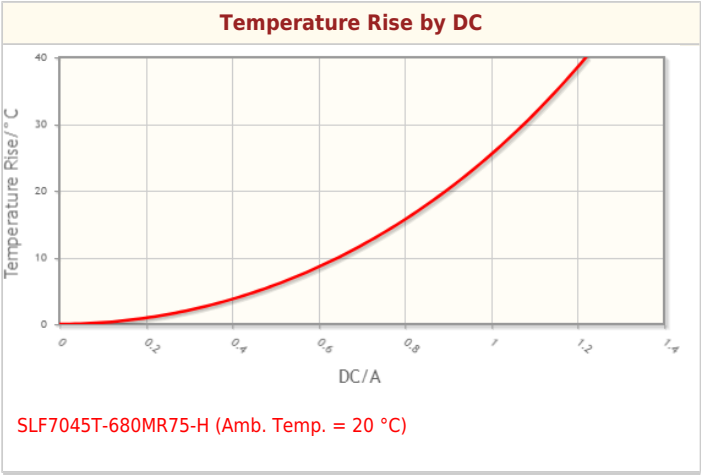
! Images are for reference only and show exemplary products.
! This PDF document was created based on the data listed on the TDK Corporation website.
! All specifications are subject to change without notice.

| Other | |
|-----------------------|--|
| Operating Temp. Range | -40 to 125°C (Including Self-Temp. Rise) |
| Soldering Method | Reflow |
| | Iron Soldering |
| AEC-Q200 | YES |
| Packing | Embossed (Plastic)Taping [330mm Reel, Tape width 16mm] |
| Package Quantity | 1000pcs |
| Weight | 0.59g |

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



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Associated Images

