

SLF12575T-680M2R0-H

**Applications**

Automotive Grade

AEC-Q200

Wire Wound

Shield

Ferrite Core

**Feature****Series | Type**

SLF-H

EOL announced  
Recommended Alternate Part No. : [SPM10065VC-680M-D](#) (Interchangeability is not guaranteed.)**Status**

Discontinue Issue Date : May.14, 2024

Last Purchase Order Date : Mar.31, 2026

Last Shipment Date : Dec.31, 2026

**Brand**

TDK

**Size**

|                              |                             |
|------------------------------|-----------------------------|
| Length(L)                    | 12.50mm $\pm 0.30\text{mm}$ |
| Width(W)                     | 12.50mm $\pm 0.30\text{mm}$ |
| Thickness   Height           | 7.50mm $\pm 0.35\text{mm}$  |
| Recommended Land Pattern (A) | 2.60mm Nom.                 |
| Recommended Land Pattern (B) | 8.50mm Nom.                 |
| Recommended Land Pattern (C) | 3.20mm Nom.                 |

**Electrical Characteristics**

|                                         |                                     |
|-----------------------------------------|-------------------------------------|
| Inductance                              | 68 $\mu\text{H}$ $\pm 20\%$ at 1kHz |
| Rated Current (L Change) [Typ.]         |                                     |
| Rated Current (L Change) [Max.]         | 2A (10% Down)                       |
| Rated Current (Temperature Rise) [Typ.] | 2.4A (40°C Rise)                    |
| Rated Current (Temperature Rise) [Max.] |                                     |
| DC Resistance [Typ.]                    | 77.8m $\Omega$                      |
| DC Resistance [Max.]                    | 93.36m $\Omega$                     |
| Rated Voltage [Max.]                    |                                     |
| Self Resonant Frequency [Min.]          |                                     |
| Self Resonant Frequency [Typ.]          |                                     |
| Q [Min.]                                |                                     |
| Q [Typ.]                                |                                     |

**Other**

|                       |                                          |
|-----------------------|------------------------------------------|
| Operating Temp. Range | -40 to 125°C (Including Self-Temp. Rise) |
|-----------------------|------------------------------------------|

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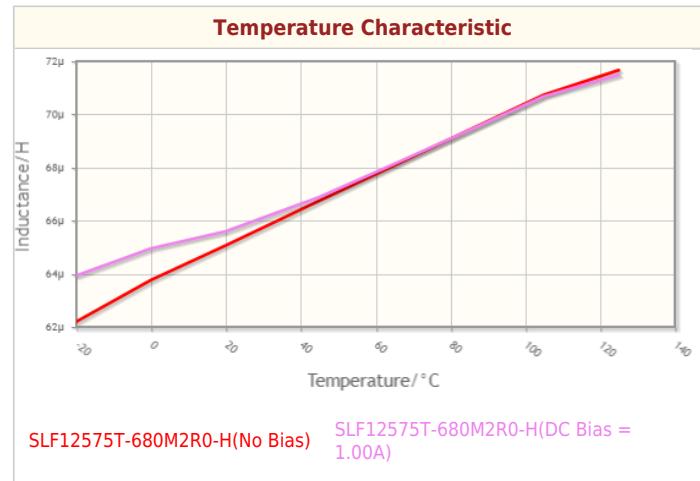
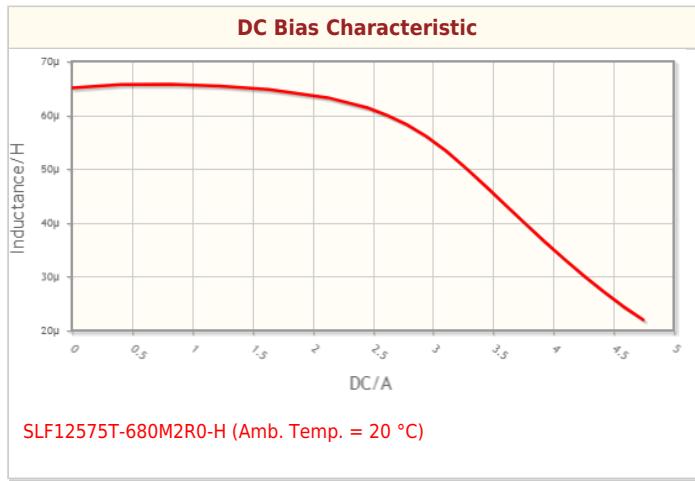
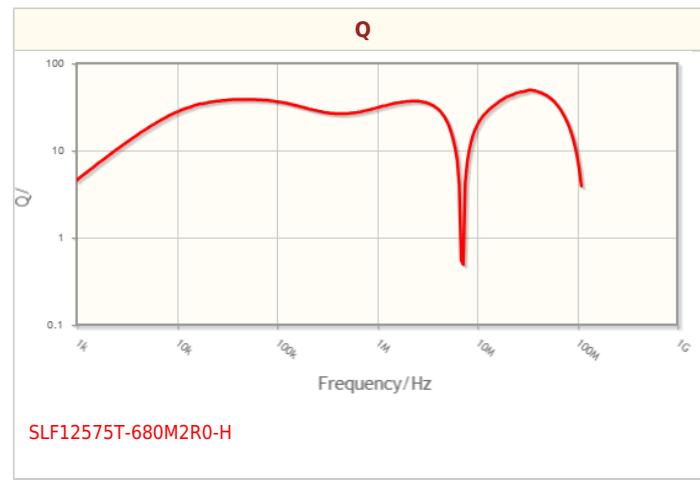
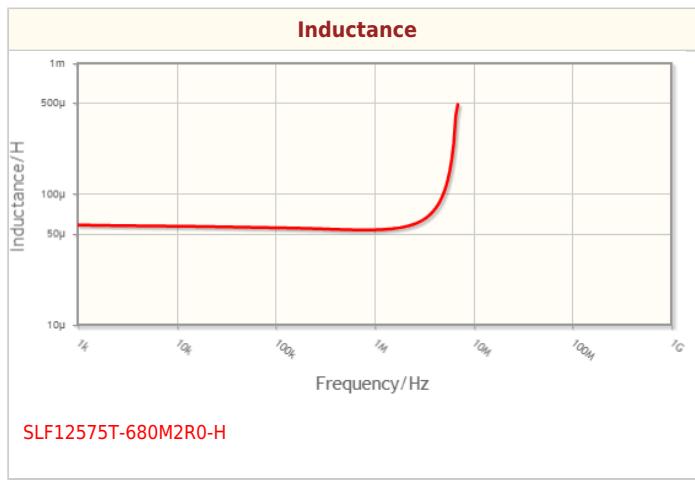
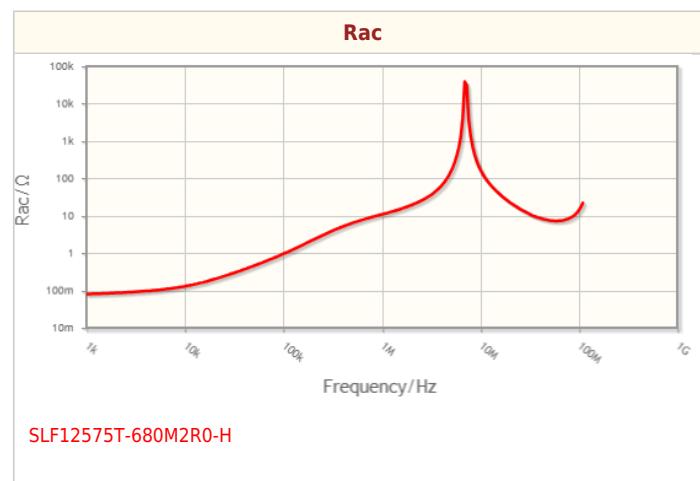
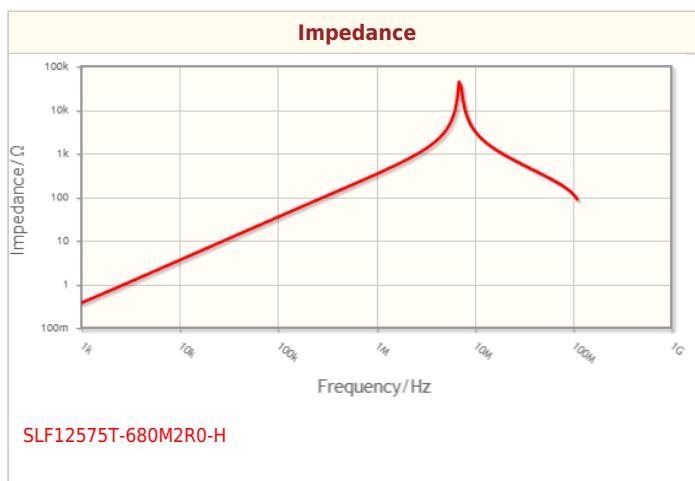
|                  |                                                        |
|------------------|--------------------------------------------------------|
| Soldering Method | Reflow<br>Iron Soldering                               |
| AEC-Q200         | YES                                                    |
| Packing          | Embossed (Plastic)Taping [330mm Reel, Tape width 24mm] |
| Package Quantity | 500pcs                                                 |
| Weight           | 3.7g                                                   |

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



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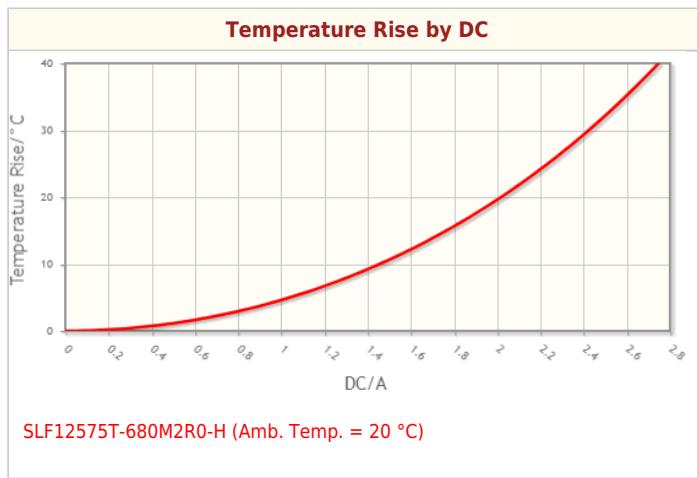
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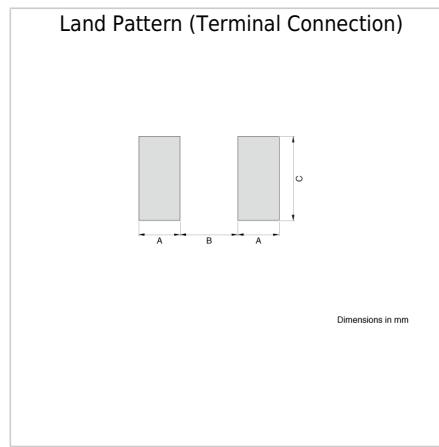
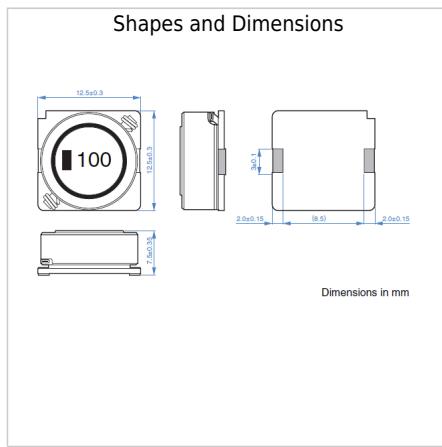


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## Associated Images



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