

|                      |                  |
|----------------------|------------------|
| <b>Applications</b>  | Automotive Grade |
| <b>Feature</b>       | AEC-Q200         |
|                      | Multilayer       |
|                      | Magnetic Shield  |
|                      | Ferrite Core     |
| <b>Series   Type</b> | MLF              |
| <b>Status</b>        | Production       |
| <b>Brand</b>         | TDK              |



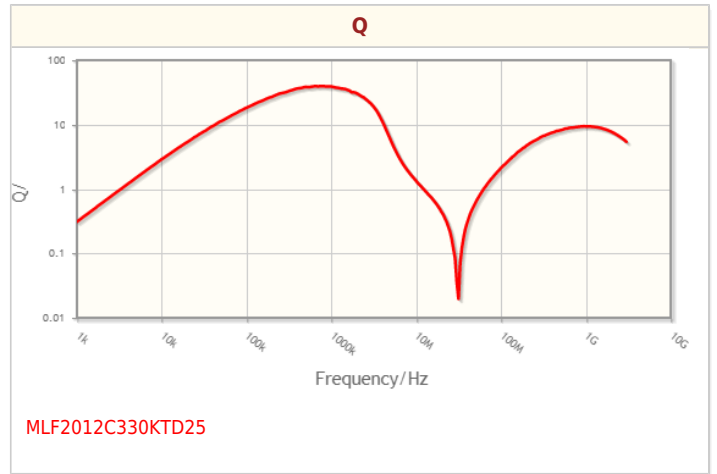
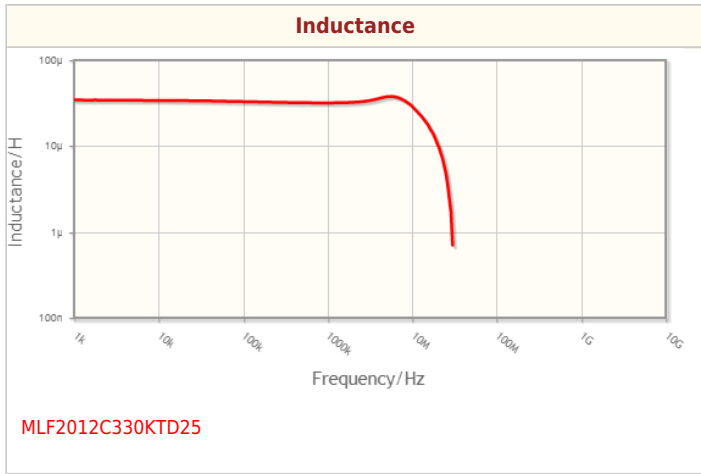
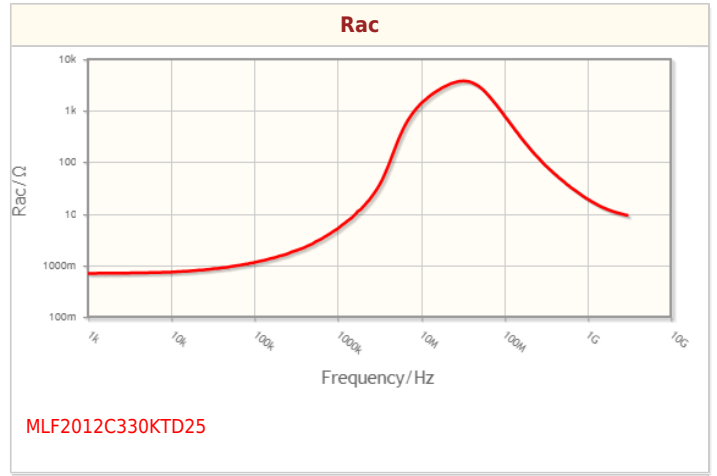
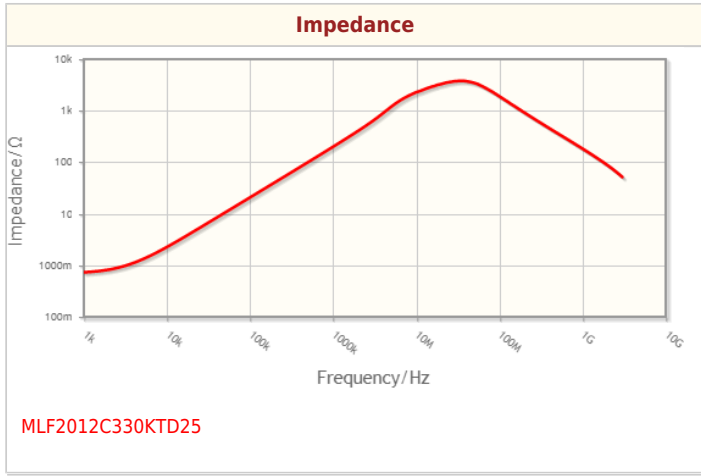
| Size                         |                |
|------------------------------|----------------|
| Length(L)                    | 2.00mm ±0.20mm |
| Width(W)                     | 1.25mm ±0.20mm |
| Thickness   Height           | 1.25mm ±0.20mm |
| Recommended Land Pattern (A) | 0.80mm Nom.    |
| Recommended Land Pattern (B) | 1.00mm Nom.    |
| Recommended Land Pattern (C) | 1.20mm Nom.    |

| Electrical Characteristics              |                     |
|---|---------------------|
| Inductance                              | 33µH ±10% at 400kHz |
| Rated Current (L Change) [Typ.]         |                     |
| Rated Current (L Change) [Max.]         | 5mA                 |
| Rated Current (Temperature Rise) [Typ.] |                     |
| Rated Current (Temperature Rise) [Max.] |                     |
| DC Resistance [Typ.]                    | 550mΩ               |
| DC Resistance [Max.]                    | 1.1Ω                |
| Self Resonant Frequency [Min.]          | 15MHz               |
| Self Resonant Frequency [Typ.]          | 28MHz               |
| Q [Min.]                                | 30 at 400kHz        |
| Q [Typ.]                                | 45 at 400kHz        |

| Other   |                                       |
|---|---------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -40 to 85°C                           |
| Soldering Method                                  | Reflow                                |
|   | Iron Soldering                        |
| AEC-Q200  | YES                                   |
| Packing   | Embossed (Plastic)Taping [180mm Reel] |
| Package Quantity                                  | 2000pcs                               |
| Weight  | 0.014g                                |

! 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.

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



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## Associated Images

