

|                          |   |
|--------------------------|---|
| Product Status           | Production  |
| Applications             | Automotive Grade  |
| Feature                  | AEC-Q200AEC-Q200  |
|                          | MultilayerMultilayer  |
|                          | Non-Mag CoreNon-Magnetic Core (Dielectric Ceramic)                                    |
|                          | High QHigh Q  |
| Series   Type            | MLG-P   |
| Brand                    | TDK   |
| Environmental Compliance | <div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div> |



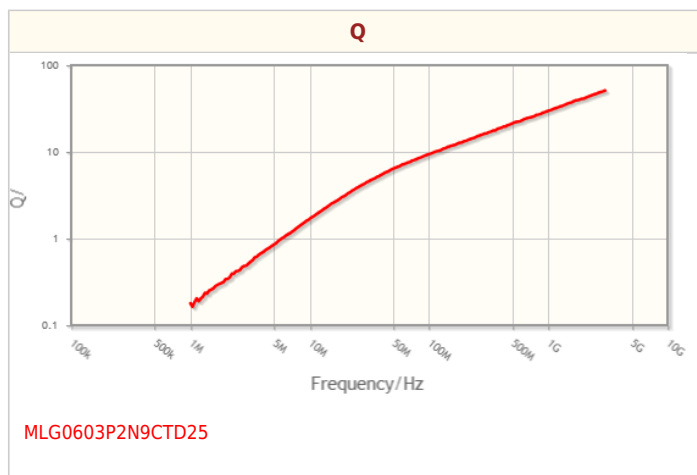
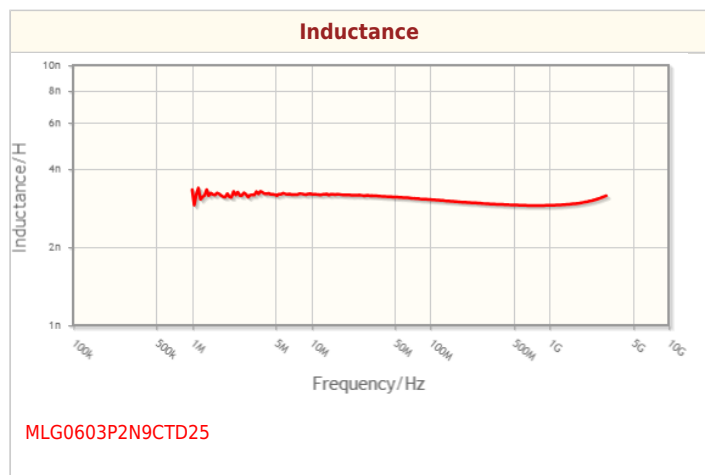
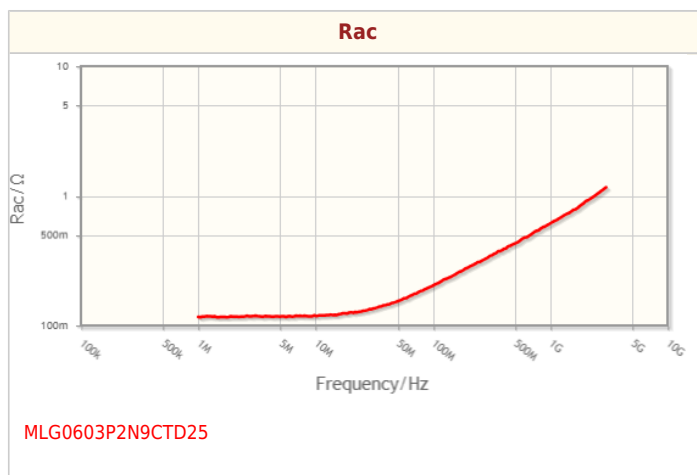
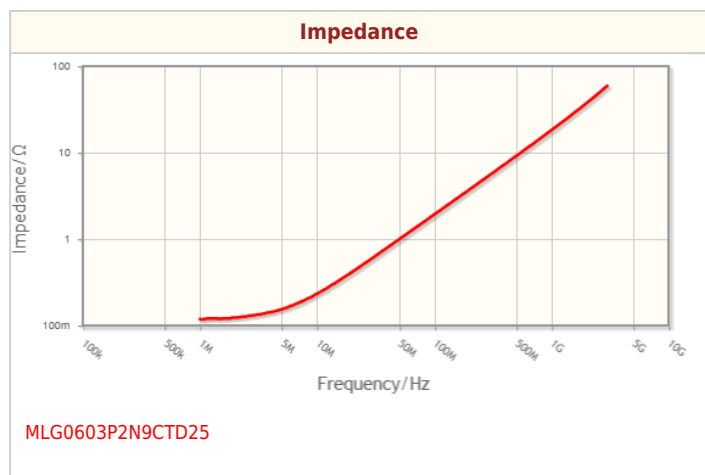
| Size                         |                |
|------------------------------|----------------|
| Length(L)                    | 0.60mm ±0.03mm |
| Width(W)                     | 0.30mm ±0.03mm |
| Thickness   Height           | 0.30mm ±0.03mm |
| Recommended Land Pattern (A) | 0.25mm Nom.    |
| Recommended Land Pattern (B) | 0.30mm Nom.    |
| Recommended Land Pattern (C) | 0.30mm Nom.    |

| Electrical Characteristics     |                        |
|--------------------------------|------------------------|
| Inductance                     | 2.9nH ±0.2nH at 500MHz |
| Rated Current                  | 500mA                  |
| DC Resistance [Typ.]           | 100mΩ                  |
| DC Resistance [Max.]           | 200mΩ                  |
| Self Resonant Frequency [Min.] | 7.5GHz                 |
| Self Resonant Frequency [Typ.] | 9.2GHz                 |
| Q [Min.]                       | 14 at 500MHz           |
| Q [Typ.]                       | 17 at 500MHz           |

| Other                 |  |
|-----------------------|--|
| Operating Temp. Range | -55 to 125°C                                       |
| Soldering Method      | Reflow   |
| AEC-Q200              | YES  |
| Packing               | Punched (Paper)Taping [180mm Reel, Tape width 8mm] |
| Package Quantity      | 15000pcs   |
| Weight                | 0.0002g  |

! 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.)



### Associated Images

