

MLG0603S12NJTD25



|               |                                                                                                                                                               |
|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Applications  | Automotive Grade                                                                                                                                              |
| Feature       | <div>Multilayer</div> <div>Non-Mag Core</div> <div>AEC-Q200</div> <div>Multilayer</div> <div>Non-Magnetic Core (Dielectric Ceramic)</div> <div>AEC-Q200</div> |
| Series   Type | MLG                                                                                                                                                           |
| Status        | Production                                                                                                                                                    |
| Brand         | TDK                                                                                                                                                           |



| Size                         |                |
|------------------------------|----------------|
| Length(L)                    | 0.60mm ±0.03mm |
| Width(W)                     | 0.30mm ±0.03mm |
| Thickness(T)                 | 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                     | 12nH ±5% at 100MHz |
| Rated Current                  | 180mA              |
| DC Resistance [Typ.]           | 630mΩ              |
| DC Resistance [Max.]           | 900mΩ              |
| Self Resonant Frequency [Min.] | 2.8GHz             |
| Self Resonant Frequency [Typ.] | 3.6GHz             |
| Q [Min.]                       | 6 at 100MHz        |
| Q [Typ.]                       |                    |

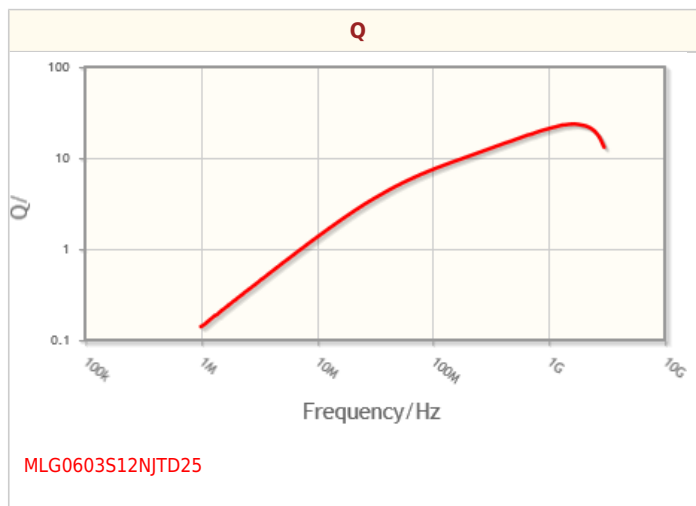
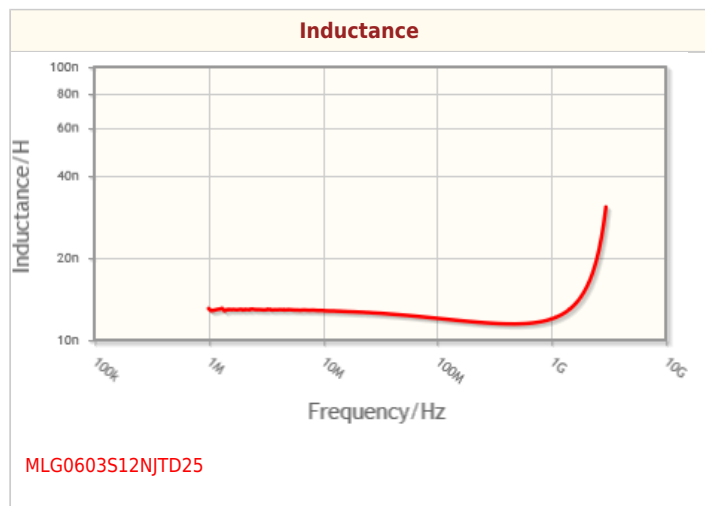
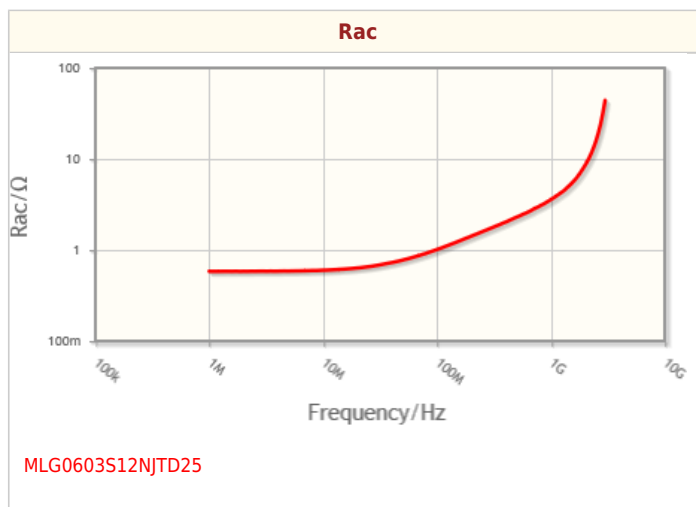
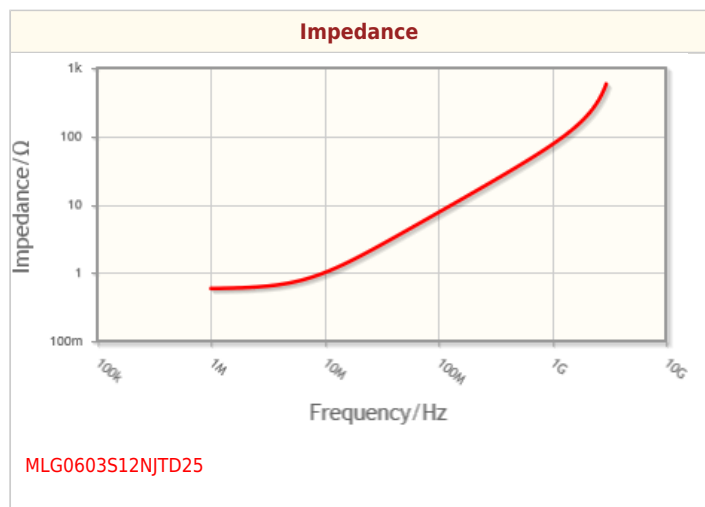
| Other                                             |                                    |
|---------------------------------------------------|------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125°C                       |
| Soldering Method                                  | Reflow<br>Iron Soldering           |
| AEC-Q200                                          | Yes                                |
| Packing                                           | Punched (Paper)Taping [180mm Reel] |
| 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.

MLG0603S12NJTD25



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





# Associated Images

