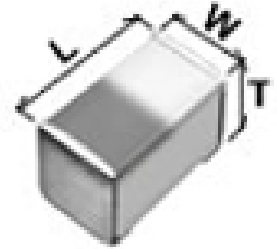


MLG0603P39NJTD25



|                      |                                                            |
|----------------------|------------------------------------------------------------|
| <b>Applications</b>  | Automotive Grade                                           |
| <b>Feature</b>       | <b>Multilayer</b> Multilayer                               |
|                      | <b>Non-Mag Core</b> Non-Magnetic Core (Dielectric Ceramic) |
|                      | <b>High Q</b> High Q                                       |
|                      | <b>AEC-Q200</b> AEC-Q200                                   |
| <b>Series   Type</b> | MLG-P                                                      |
| <b>Status</b>        | Production                                                 |
| <b>Brand</b>         | 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                     | 39nH ±5% at 300MHz |
| Rated Current                  | 120mA              |
| DC Resistance [Typ.]           | 1.72Ω              |
| DC Resistance [Max.]           | 2.4Ω               |
| Self Resonant Frequency [Min.] | 1.8GHz             |
| Self Resonant Frequency [Typ.] | 2.2GHz             |
| Q [Min.]                       | 10 at 300MHz       |
| Q [Typ.]                       | 13 at 300MHz       |

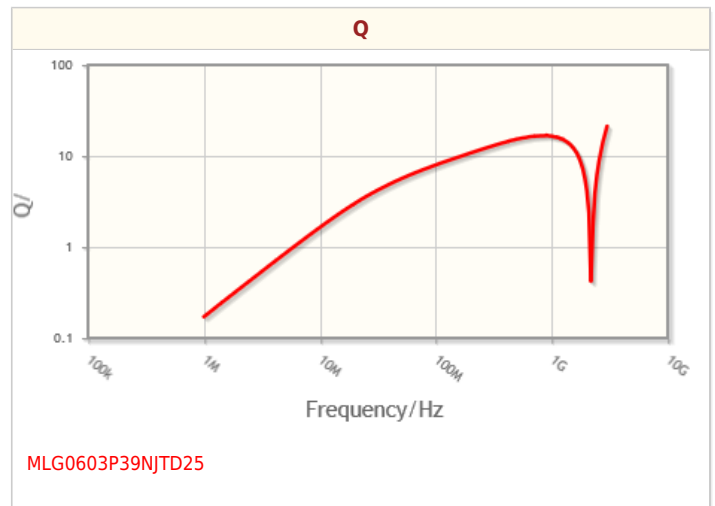
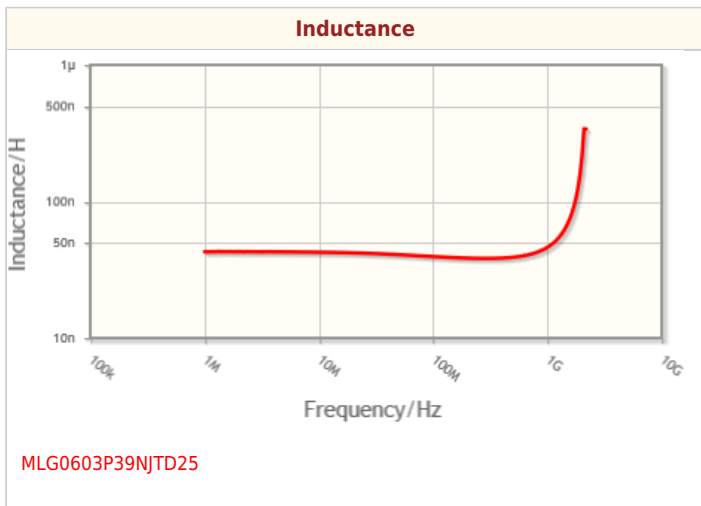
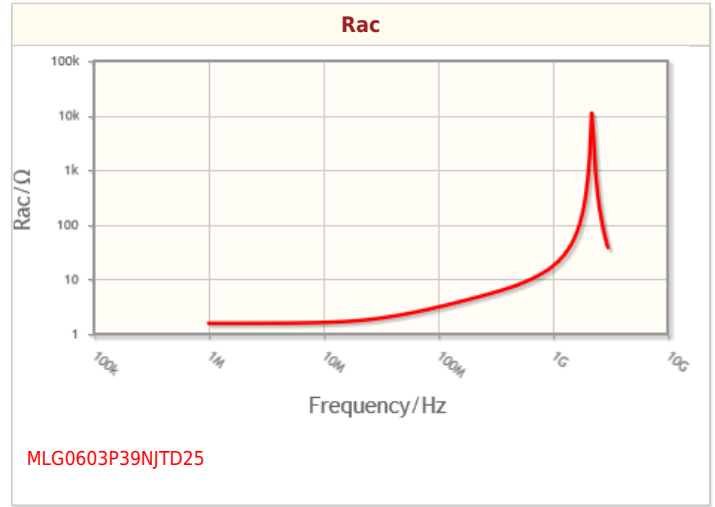
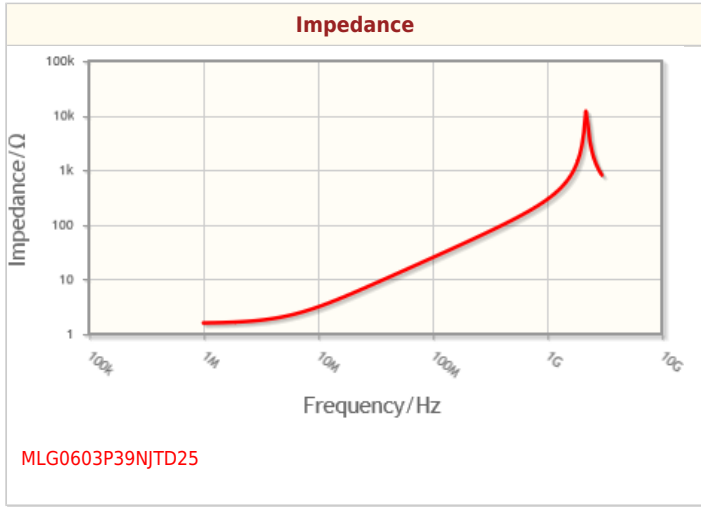
| Other                                             |                                    |
|---------------------------------------------------|------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125°C                       |
| Soldering Method                                  | Reflow                             |
| 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.

MLG0603P39NJTD25



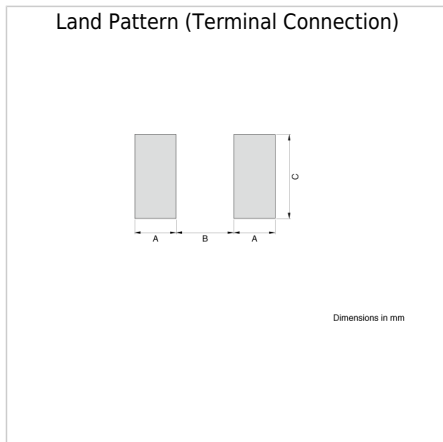
Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)



! 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.



## Associated Images



! 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.