

MLG1005SR22HTD25

|                          |   |
|--------------------------|---|
| Product Status           | Production  |
| Applications             | Automotive Grade  |
|                          | AEC-Q200  |
| Feature                  | Multilayer  |
|                          | Multilayer  |
|                          | Non-Mag Core  |
|                          | Non-Magnetic Core (Dielectric Ceramic)  |
| Series   Type            | MLG   |
| Brand                    | TDK   |
| Environmental Compliance |  RoHS  REACH  Halogen Free  Lead Free |



| Size                         |                      |
|------------------------------|----------------------|
| Length(L)                    | 1.00mm $\pm 0.05$ mm |
| Width(W)                     | 0.50mm $\pm 0.05$ mm |
| Thickness   Height           | 0.50mm $\pm 0.05$ mm |
| Recommended Land Pattern (A) | 0.50mm Nom.          |
| Recommended Land Pattern (B) | 0.40mm Nom.          |
| Recommended Land Pattern (C) | 0.50mm Nom.          |

| Electrical Characteristics     |                           |
|--------------------------------|---------------------------|
| Inductance                     | 220nH $\pm 3\%$ at 100MHz |
| Rated Current                  | 100mA                     |
| DC Resistance [Typ.]           | 3.02Ω                     |
| DC Resistance [Max.]           | 4.2Ω                      |
| Self Resonant Frequency [Min.] | 450MHz                    |
| Self Resonant Frequency [Typ.] | 500MHz                    |
| Q [Min.]                       | 8 at 100MHz               |
| Q [Typ.]                       | 12 at 100MHz              |

| Other                 |  |
|-----------------------|--|
| Operating Temp. Range | -55 to 125°C                                       |
| Soldering Method      | Reflow<br>Iron Soldering                           |
| AEC-Q200              | YES  |
| Packing               | Punched (Paper)Taping [180mm Reel, Tape width 8mm] |
| Package Quantity      | 10000pcs   |
| Weight                | 0.001g   |

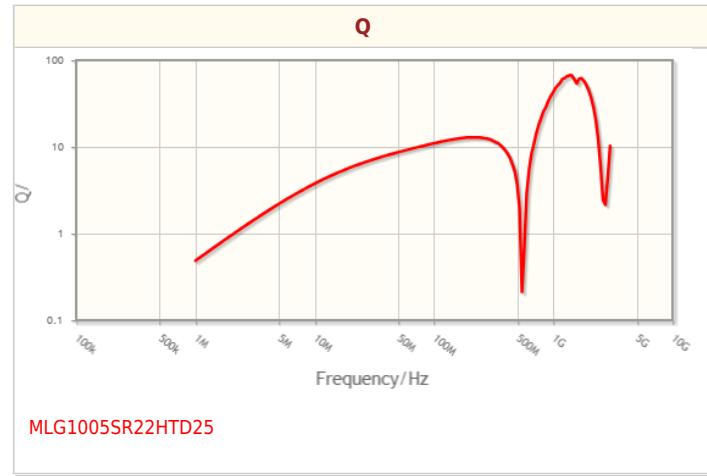
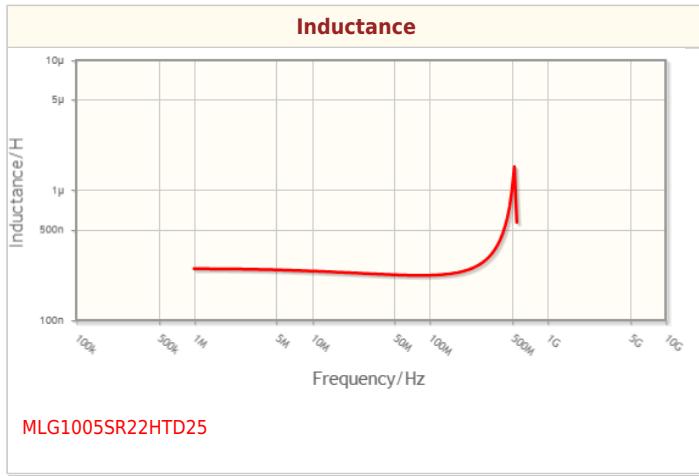
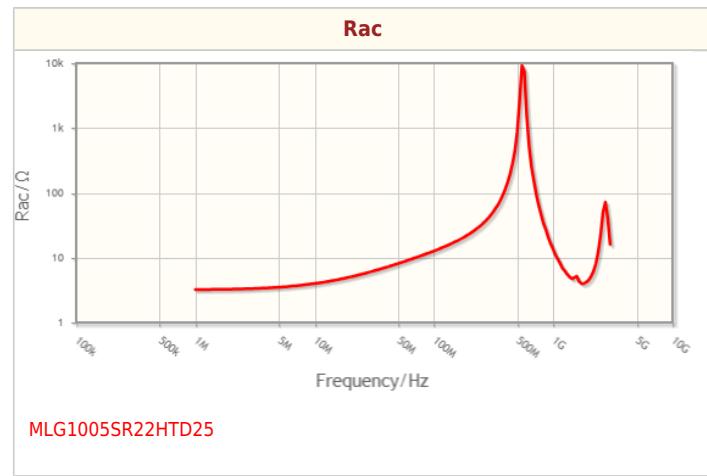
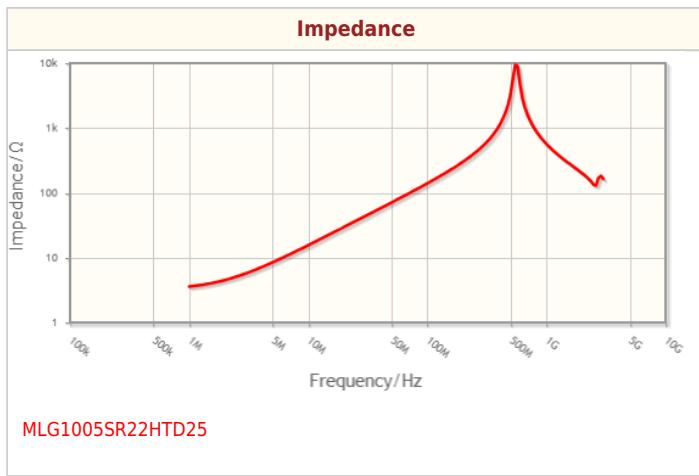
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## Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)



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## Associated Images



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