

MLG1005S1N2STD25

**Applications**

Automotive Grade

AEC-Q200

AEC-Q200

**Feature**

Multilayer

Multilayer

Non-Mag Core

Non-Magnetic Core (Dielectric Ceramic)

**Series | Type**

MLG

**Status**

Production

**Brand**

TDK

**Size**

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

**Electrical Characteristics**

|                                |                             |
|--------------------------------|-----------------------------|
| Inductance                     | 1.2nH $\pm$ 0.3nH at 100MHz |
| Rated Current                  | 1A                          |
| DC Resistance [Typ.]           | 40m $\Omega$                |
| DC Resistance [Max.]           | 100m $\Omega$               |
| Self Resonant Frequency [Min.] | 10GHz                       |
| Self Resonant Frequency [Typ.] | 11.6GHz                     |
| Q [Min.]                       | 7 at 100MHz                 |
| Q [Typ.]                       | 11 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                                             |

! Images are for reference only and show exemplary products.

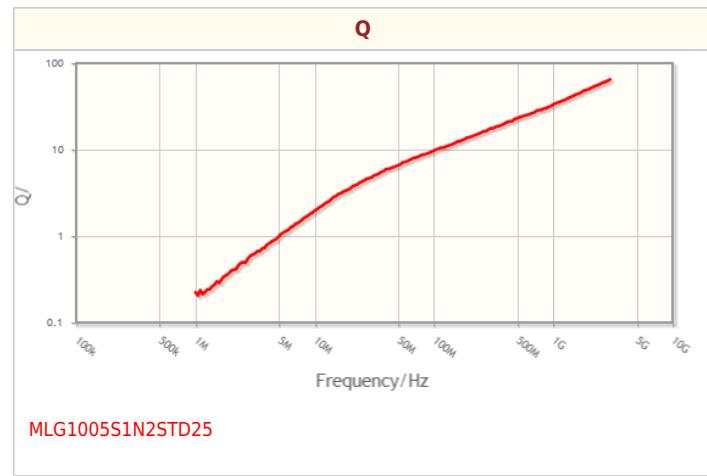
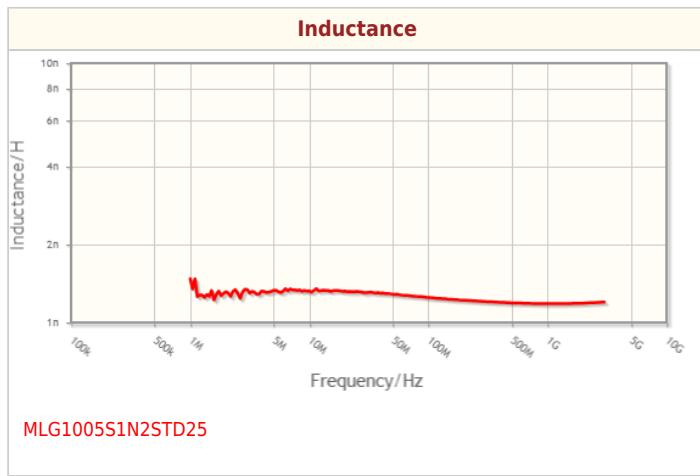
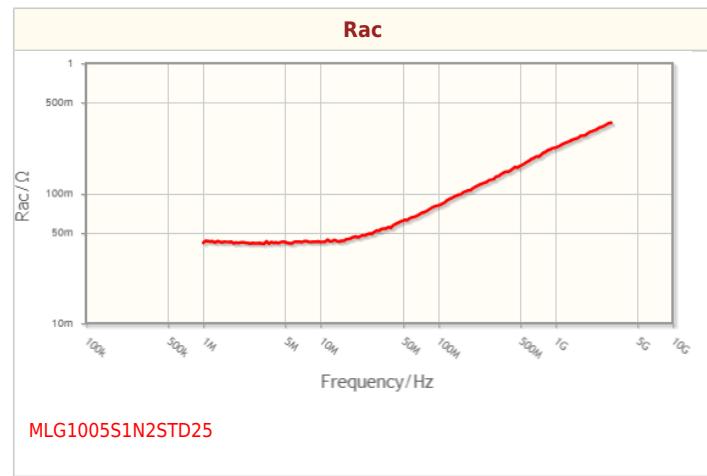
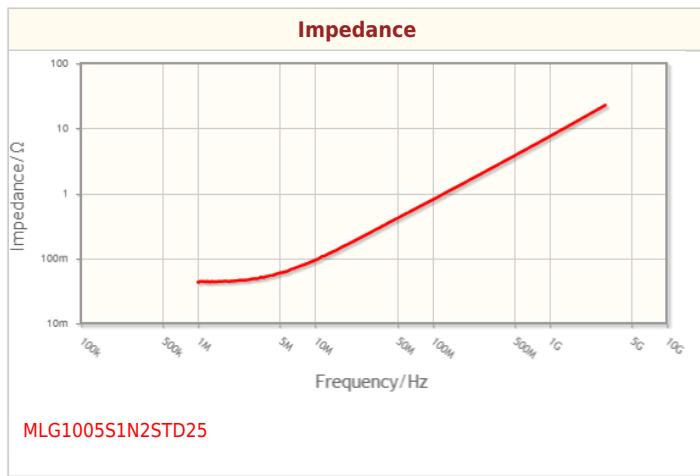
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## Characteristic Graphs (This is reference data, and does not guarantee the products characteristics.)



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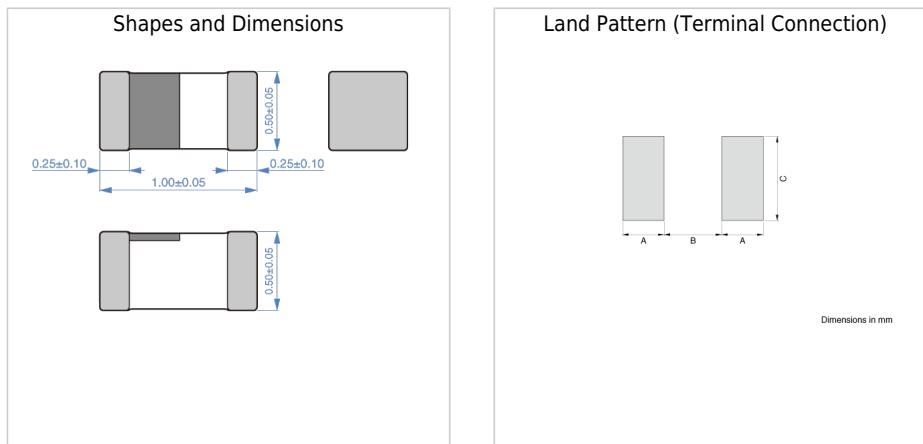
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## Associated Images



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