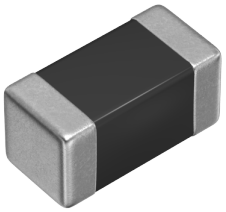
# SMD / SMT Inductors (Coils)

## MLF1608E8R2JTD25

| | |
|---|---|
| **Product Status** | Production |
| **Applications** | Automotive Grade |
| **Feature** | AEC-Q200AEC-Q200<br>No DirectivityNo Directivity<br>MultilayerMultilayer<br>ShieldMagnetic Shield<br>Ferrite CoreFerrite Core |
| **Series \| Type** | MLF |
| **Brand** | TDK |
| **Environmental Compliance** | RoHS, REACH, Halogen Free, Lead Free |



| Size | |
|---|---|
| Length(L) | 1.60mm ±0.15mm |
| Width(W) | 0.80mm ±0.15mm |
| Thickness \| Height | 0.80mm ±0.15mm |
| Recommended Land Pattern (A) | 0.60mm Nom. |
| Recommended Land Pattern (B) | 0.80mm Nom. |
| Recommended Land Pattern (C) | 0.80mm Nom. |

| Electrical Characteristics | |
|---|---|
| Inductance | 8.2µH ±5% at 4MHz |
| Rated Current (L Change) [Typ.] | |
| Rated Current (L Change) [Max.] | 10mA |
| Rated Current (Temperature Rise) [Typ.] | |
| Rated Current (Temperature Rise) [Max.] | |
| DC Resistance [Typ.] | 800mΩ |
| DC Resistance [Max.] | 1.5Ω |
| Rated Voltage [Max.] | |
| Self Resonant Frequency [Min.] | 35MHz |
| Self Resonant Frequency [Typ.] | 55MHz |
| Q [Min.] | 35 at 4MHz |
| Q [Typ.] | 60 at 4MHz |

| Other | |
|---|---|
| Operating Temp. Range | -55 to 125°C |
| Soldering Method | Reflow<br>Iron Soldering |
| AEC-Q200 | YES |

! Images are for reference only and show exemplary products.
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SMD / SMT Inductors (Coils)

MLF1608E8R2JTD25

| | |
|---|---|
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 4000pcs |
| Weight | 0.004g |

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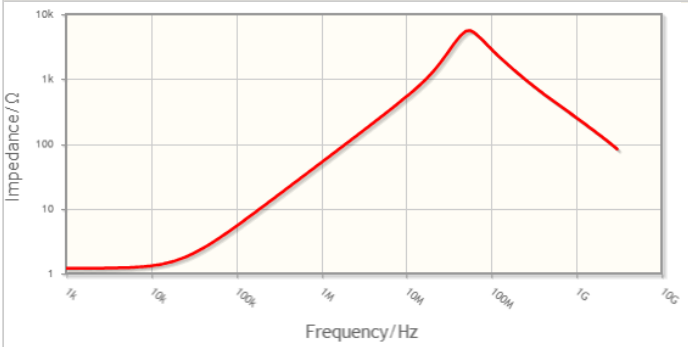
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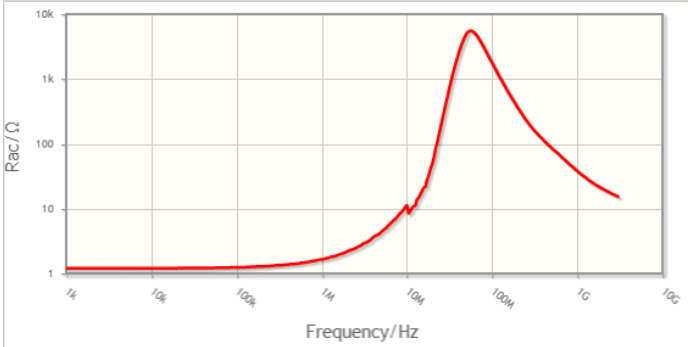
## Characteristic Graphs(This is reference data, and does not guarantee the products characteristics.)

### Impedance



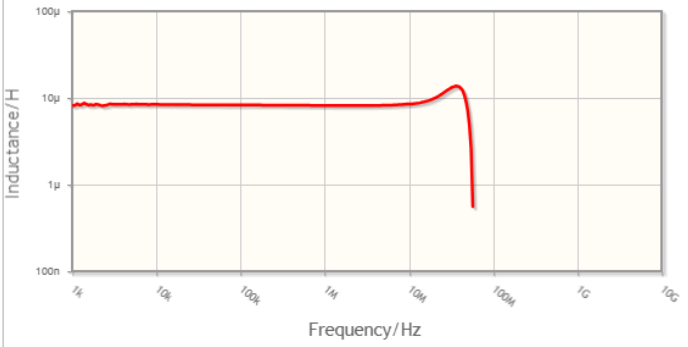

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### Rac



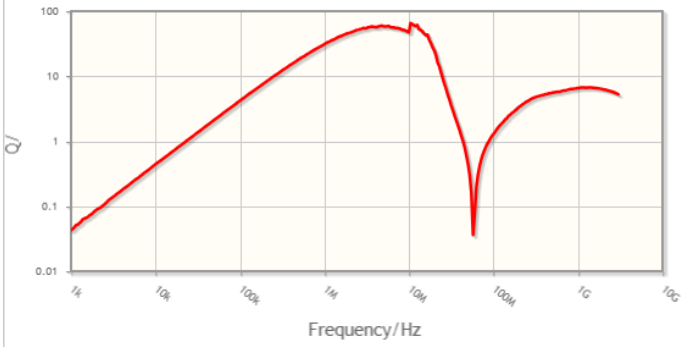

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### Inductance




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### Q




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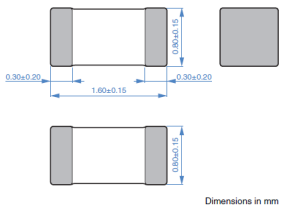
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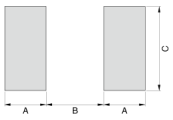
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# Associated Images

Shapes and Dimensions




Land Pattern (Terminal Connection)




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