# ⏣TDK

## SMD / SMT Inductors (Coils)

## MLZ1608M4R7WT000

RoHS Reach Halogen Free Pb Free

| | | |
|---|---|---|
| **Applications** | | Commercial Grade |
| **Feature** | | No Directivity No Directivity<br>Multilayer Multilayer<br>Shield Magnetic Shield<br>Ferrite Core Ferrite Core |
| **Series \| Type** | | MLZ |
| **Status** | | Production |
| **Brand** | | TDK |

| 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 | 4.7µH ±20% at 2MHz |
| Rated Current (L Change) [Typ.] | |
| Rated Current (L Change) [Max.] | 120mA (50% Down) |
| Rated Current (Temperature Rise) [Typ.] | 350mA (20°C Rise) |
| Rated Current (Temperature Rise) [Max.] | |
| DC Resistance [Typ.] | 500mΩ |
| DC Resistance [Max.] | 650mΩ |
| Self Resonant Frequency [Min.] | |
| Self Resonant Frequency [Typ.] | |
| Q [Min.] | |
| Q [Typ.] | |

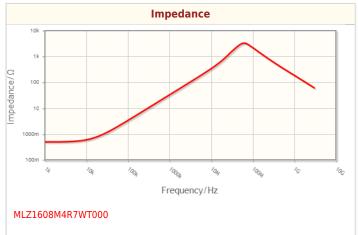| Other | |
|---|---|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125°C |
| Soldering Method | Reflow<br>Iron Soldering |
| AEC-Q200 | NO |
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 4000pcs |
| Weight | 0.004g |

! Images are for reference only and show exemplary products.
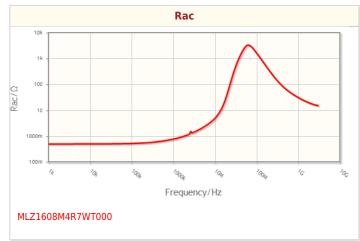! This PDF document was created based on the data listed on the TDK Corporation website.
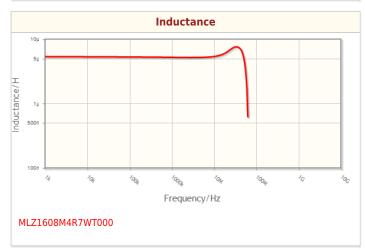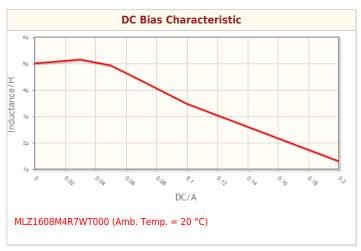! All specifications are subject to change without notice.

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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

MLZ1608M4R7WT000

### DC Bias Characteristic

MLZ1608M4R7WT000 (Amb. Temp. = 20 °C)

### Temperature Rise by DC

MLZ1608M4R7WT000 (Amb. Temp. = 20 °C)
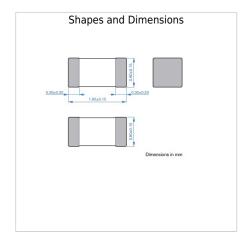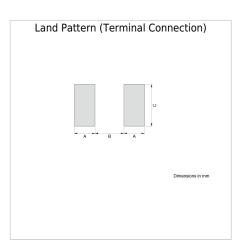
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# Associated Images

### Shapes and Dimensions

0.80±0.15

0.30±0.20   0.30±0.20

1.60±0.15

0.80±0.15

Dimensions in mm

### Land Pattern (Terminal Connection)

C

A   B   A

Dimensions in mm

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