

# Inductors (Coils)

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MLZ2012E4R7MT000



## Applications



Commercial Grade

## Feature

Shield

Magnetic Shield

Multilayer

Multilayer

Ferrite Core

Ferrite Core

Series | Type MLZ

## Status

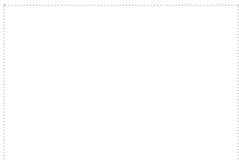


Production (Not Recommended for New Design)

Recommended Alternate Part No. : [MLZ2012M4R7WT000](#)

## Brand

TDK



Images are for reference only and show exemplary products.

PDF file of this page



Contact



## Documents

Product Lineup

## Size

|                              |                |
|------------------------------|----------------|
| Length(L)                    | 2.00mm ±0.20mm |
| Width(W)                     | 1.25mm ±0.20mm |
| Thickness(T)                 | 0.85mm ±0.20mm |
| Recommended Land Pattern (A) | 0.80mm Nom.    |
| Recommended Land Pattern (B) | 1.00mm Nom.    |
| Recommended Land Pattern (C) | 1.20mm Nom.    |

## Electrical Characteristics

|                                         |                    |
|-----------------------------------------|--------------------|
| Inductance                              | 4.7μH ±20% at 2MHz |
| Rated Current (L Change) [Typ.]         |                    |
| Rated Current (L Change) [Max.]         | 80mA (50% Down)    |
| Rated Current (Temperature Rise) [Typ.] | 80mA (20°C Rise)   |
| Rated Current (Temperature Rise) [Max.] | 80mA (20°C Rise)   |
| DC Resistance [Typ.]                    | 300mΩ              |
| DC Resistance [Max.]                    | 390mΩ              |
| Self Resonant Frequency [Min.]          |                    |
| Self Resonant Frequency [Typ.]          |                    |
| Q [Min.]                                |                    |
| Q [Typ.]                                |                    |

## Other

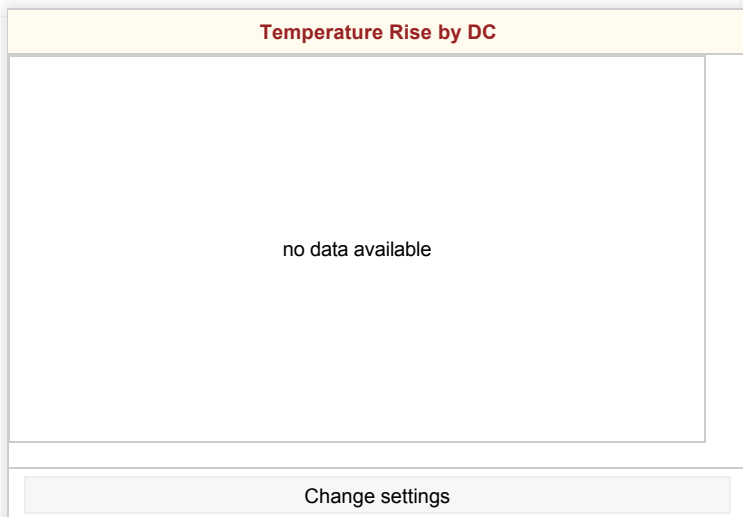
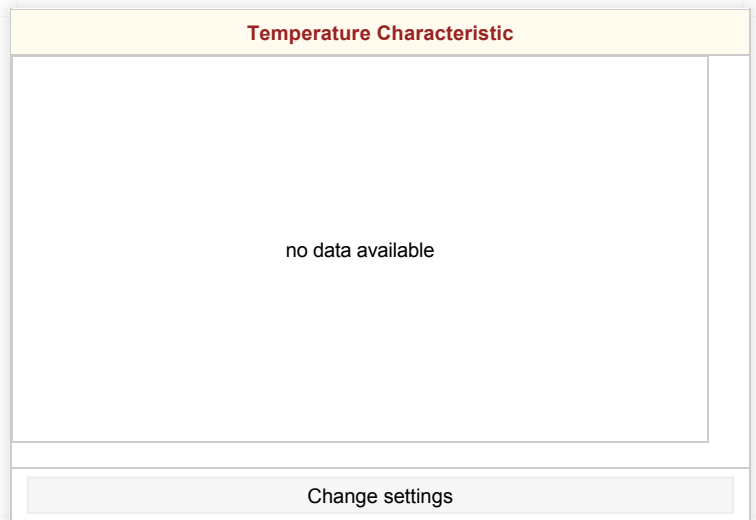
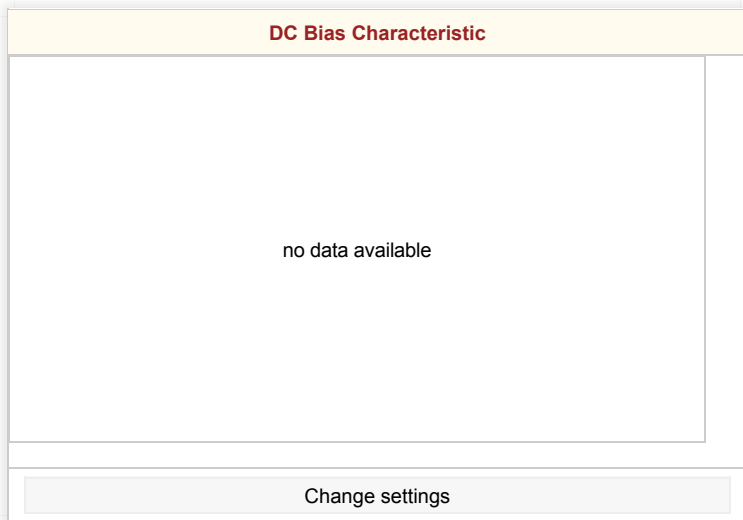
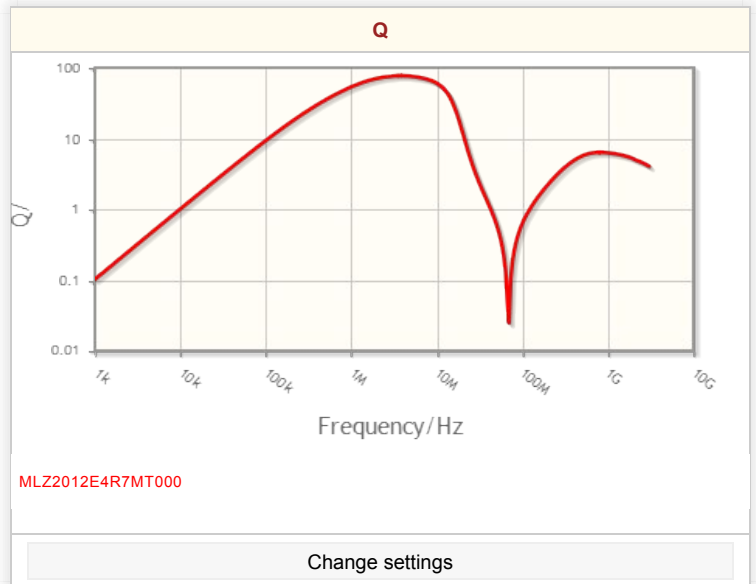
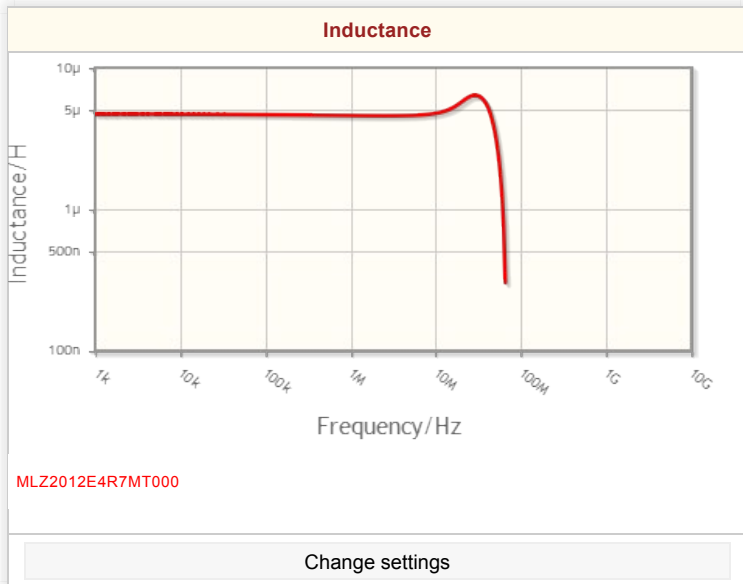
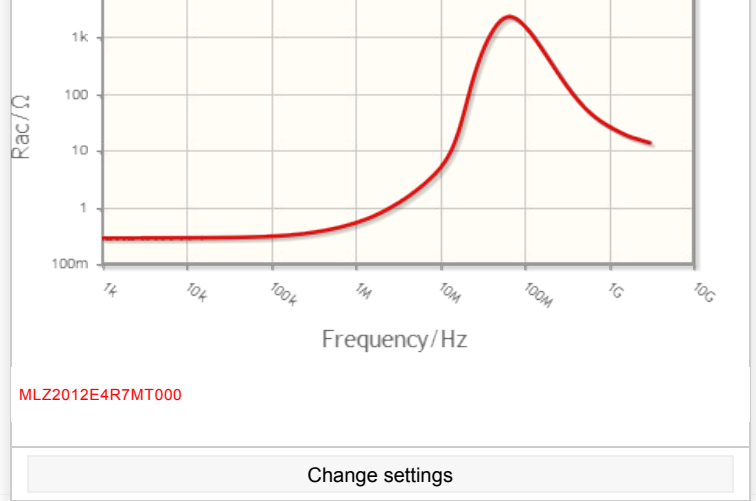
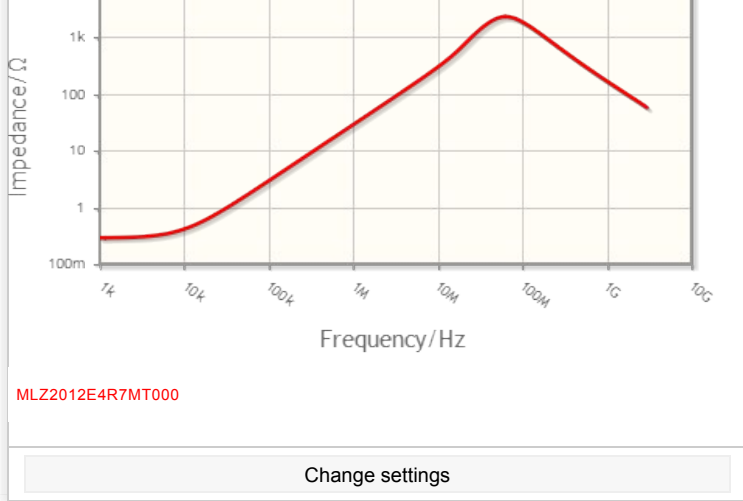
|                                                   |                                         |
|---------------------------------------------------|-----------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125°C                            |
| Soldering Method                                  | Wave (Flow)<br>Reflow<br>Iron Soldering |
| AEC-Q200                                          | No                                      |
| Packing                                           | Punched (Paper)Taping [180mm Reel]      |
| Package Quantity                                  | 4000pcs                                 |
| Weight                                            | 0.01g                                   |

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

Impedance

Rac

10k



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| » <a href="#">EMC Components</a>                                                         | » <a href="#">Magnets</a>                                                                     |
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