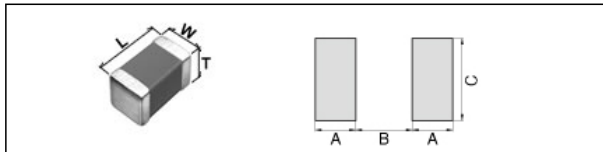


# MLF1608C330KTD00

|              |                                                                                   |                  |
|--------------|-----------------------------------------------------------------------------------|------------------|
| Applications |  | Commercial Grade |
| Feature      |  | Multilayer       |
|              |  | Magnetic Shield  |
|              |  | Ferrite Core     |
| Series       | MLF Series / MLF1608 Type                                                         |                  |
| Status       | Production                                                                        |                  |



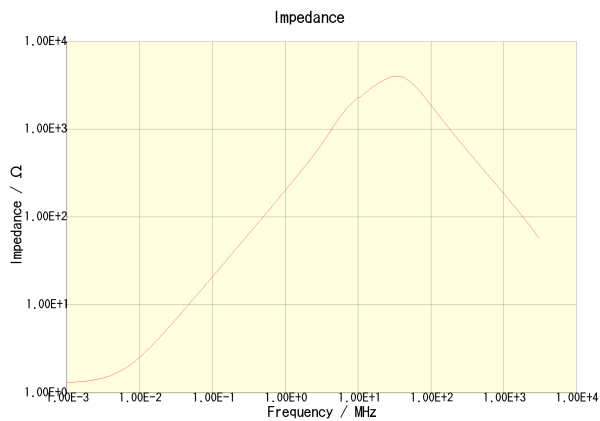
| Size                         |                  |
|------------------------------|------------------|
| Length(L)                    | 1.60mm +/-0.15mm |
| Width(W)                     | 0.80mm +/-0.15mm |
| Thickness(T)                 | 0.80mm +/-0.15mm |
| Recommended Land Pattern (A) | 0.60mm Nom.      |
| Recommended Land Pattern (B) | 0.80mm Nom.      |
| Recommended Land Pattern (C) | 0.80mm Nom.      |

| Electrical Characteristics     |                     |
|--------------------------------|---------------------|
| Inductance                     | 33uH +/-10% at 1MHz |
| Rated Current                  | 2mA                 |
| Self-Resonant Frequency [Min.] | 10MHz               |
| Self-Resonant Frequency [Typ.] | 30MHz               |
| Q [Min.]                       | 20 at 1MHz          |
| Q [Typ.]                       | 40 at 1MHz          |
| DC Resistance [Nom.]           | 1.4Ω                |
| DC Resistance [Max.]           | 2.2Ω                |

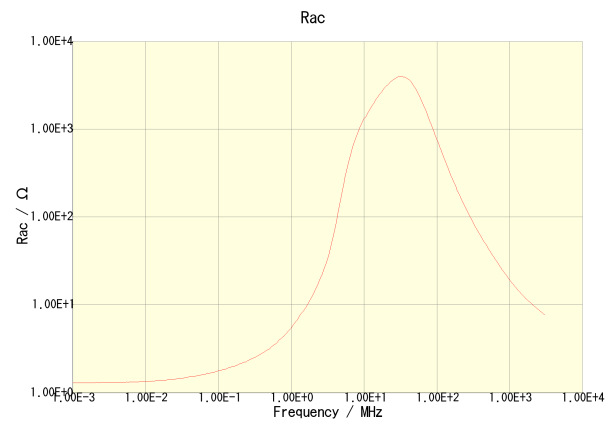
| Other                                             |                                    |
|---------------------------------------------------|------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -40 to 85degC                      |
| Soldering Method                                  | Reflow, Iron Soldering             |
| AEC Q200                                          | No                                 |
| Packing                                           | Punched (Paper)Taping [180mm Reel] |
| Package Quantity                                  | 4000Pcs Min.                       |
| Weight                                            | 0.004g                             |

# MLF1608C330KTD00

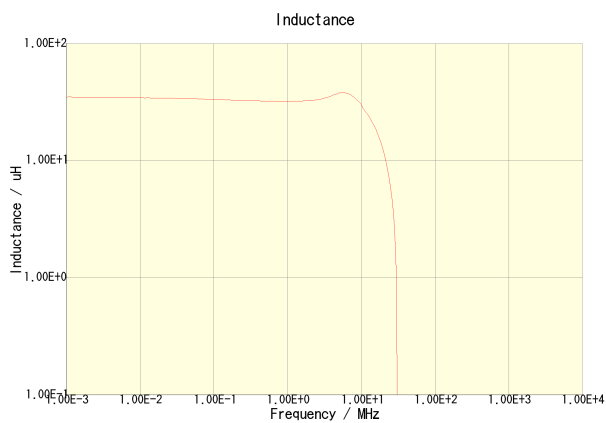
## Characteristic Graphs (This is reference data, and does not guarantee the product's characteristics.)



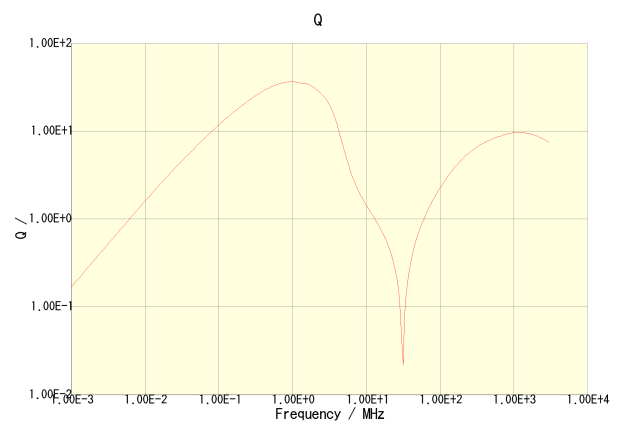
MLF1608C330KTD00



MLF1608C330KTD00



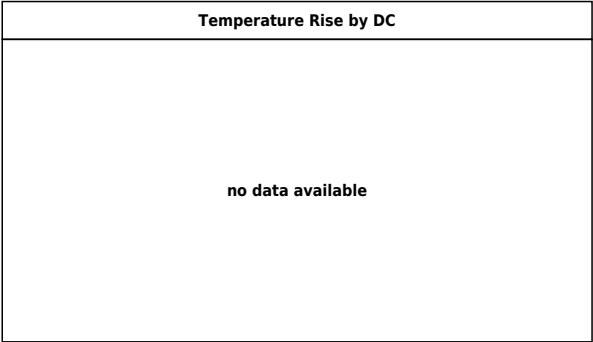
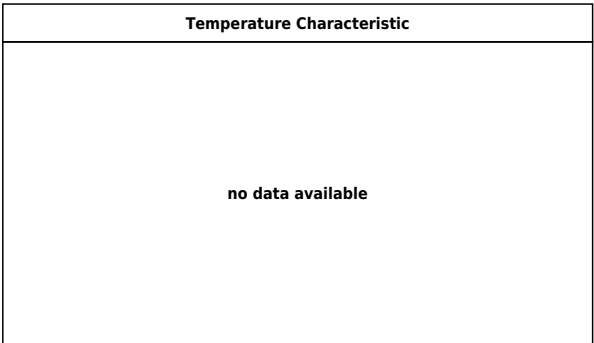
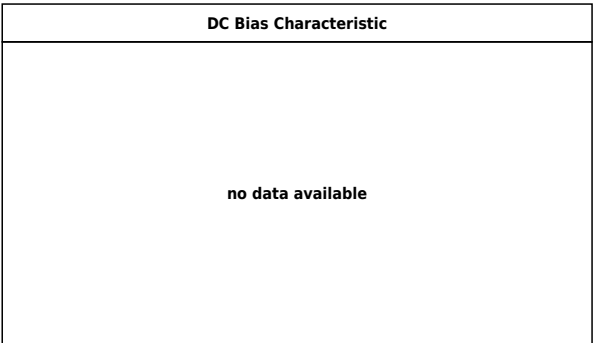
MLF1608C330KTD00



MLF1608C330KTD00

# MLF1608C330KTD00

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



•This PDF document was created based on the data listed on the TDK Corporation website.  
•All specifications are subject to change without notice.