



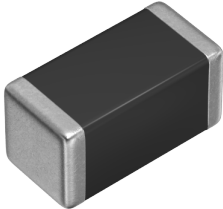


|                          |   |
|--------------------------|---|
| Product Status           | Obsolete  |
|                          | Recommended Alternate Part No. : <a href="#">MLF1005VR18KT000</a> (Interchangeability is not guaranteed.)   |
|                          | Discontinue Issue Date : Aug.5, 2019  |
|                          | Last Purchase Order Date : Mar.31, 2021   |
|                          | Last Shipment Date : Sep.30, 2021   |
| Applications             | Commercial Grade  |
| Feature                  | MultilayerMultilayer  |
|                          | ShieldMagnetic Shield   |
|                          | Ferrite CoreFerrite Core  |
| Series   Type            | MLF   |
| Brand                    | TDK   |
| Environmental Compliance | <div><div>RoHS</div><div>REACH</div><div>Halogen Free</div><div>Lead Free</div></div> |



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

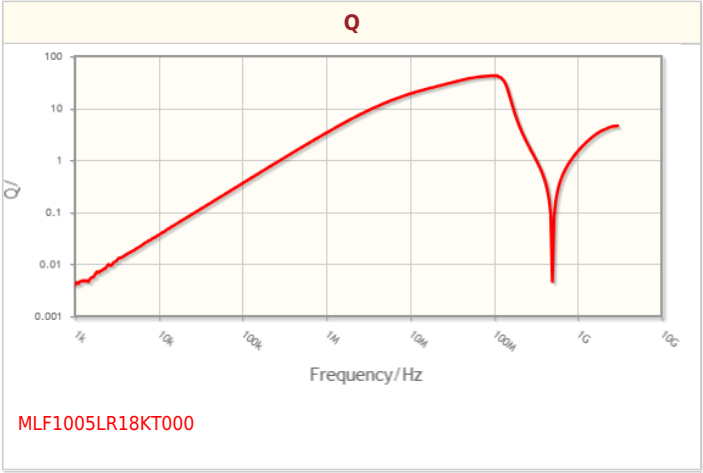
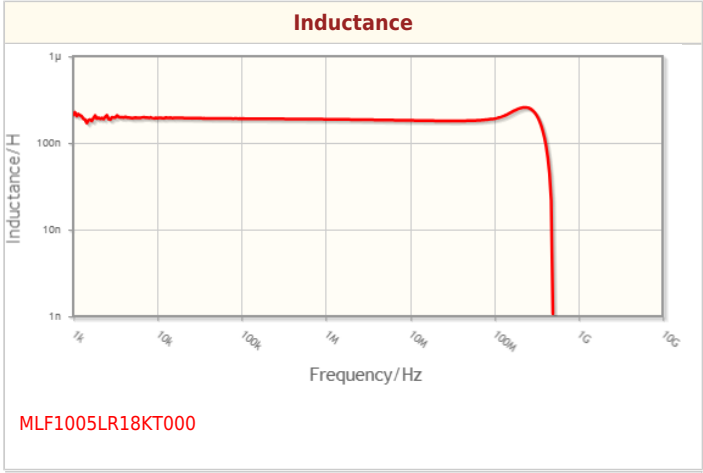
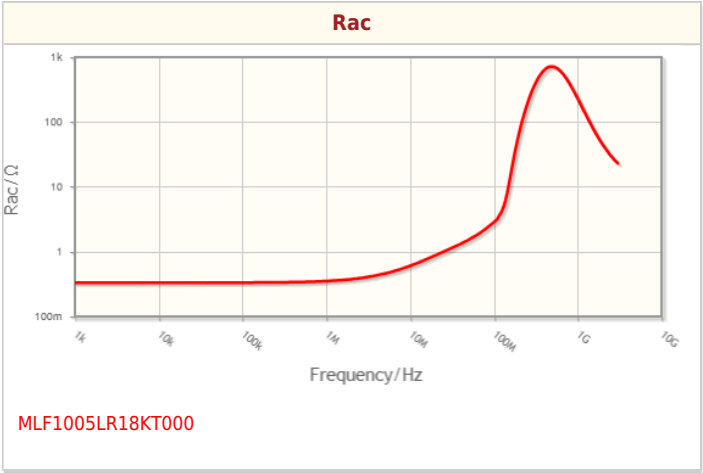
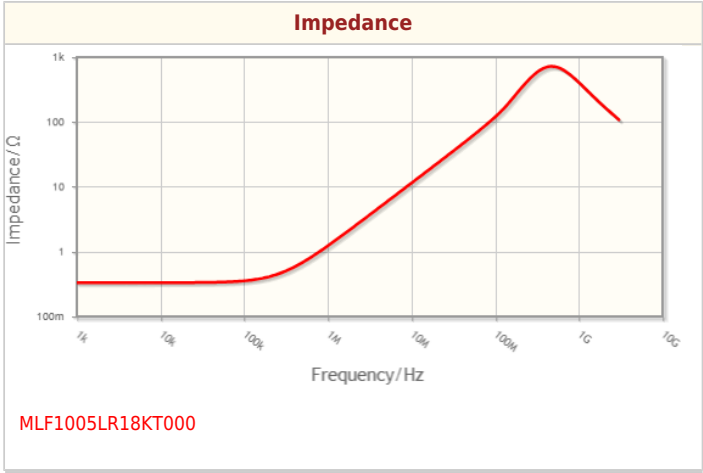
| Electrical Characteristics              |                     |
|---|---------------------|
| Inductance                              | 180nH ±10% at 25MHz |
| Rated Current (L Change) [Typ.]         |                     |
| Rated Current (L Change) [Max.]         | 120mA               |
| Rated Current (Temperature Rise) [Typ.] |                     |
| Rated Current (Temperature Rise) [Max.] |                     |
| DC Resistance [Typ.]                    |                     |
| DC Resistance [Max.]                    | 760mΩ               |
| Rated Voltage [Max.]                    |                     |
| Self Resonant Frequency [Min.]          | 320MHz              |
| Self Resonant Frequency [Typ.]          |                     |
| Q [Min.]                                | 10 at 25MHz         |
| Q [Typ.]                                |                     |

| Other                 |             |
|-----------------------|-------------|
| Operating Temp. Range | -40 to 85°C |

! 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.

|                  |                                    |
|------------------|------------------------------------|
| Soldering Method | Reflow<br>Iron Soldering           |
| AEC-Q200         | NO                                 |
| Packing          | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 10000pcs                           |
| Weight           | 0.0012g                            |

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



# Associated Images

