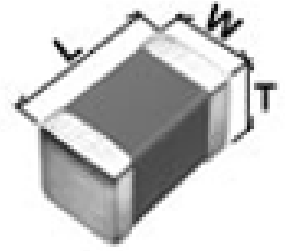


MLJ1005WR18JT000



| | |
|----------------------|--|
| Applications | Commercial Grade |
| Feature | <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">Shield</div> Magnetic Shield <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">Multilayer</div> Multilayer <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-right: 5px;">Ferrite Core</div> Ferrite Core |
| Series Type | ML□ |
| Status | Production |
| Brand | TDK |



| Size | |
|------------------------------|----------------|
| Length(L) | 1.00mm ±0.05mm |
| Width(W) | 0.50mm ±0.05mm |
| Thickness(T) | 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 ±5% at 25MHz |
| Rated Current (L Change) [Typ.] | 370mA (10% Down) |
| Rated Current (L Change) [Max.] | 300mA (10% Down) |
| Rated Current (Temperature Rise) [Typ.] | |
| Rated Current (Temperature Rise) [Max.] | 400mA (25°C Rise) |
| DC Resistance [Typ.] | 430mΩ |
| DC Resistance [Max.] | 580mΩ |
| Self Resonant Frequency [Min.] | 320MHz |
| Self Resonant Frequency [Typ.] | 570MHz |
| Q [Min.] | 15 |
| Q [Typ.] | |

| Other | |
|---|------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125°C |
| Soldering Method | Reflow |
| | Iron Soldering |
| AEC-Q200 | No |
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 10000pcs |
| Weight | 0.0012g |

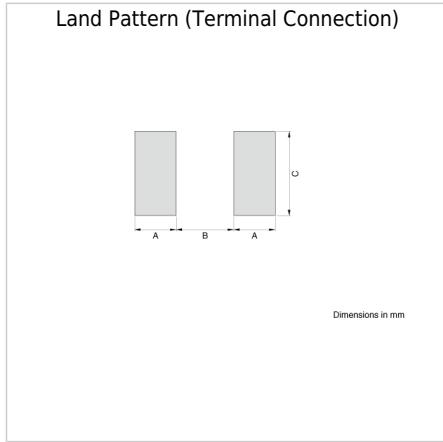
! Images are for reference only and show exemplary products.
 ! This PDF document was created based on the data listed on the TDK Corporation website.
 ! All specifications are subject to change without notice.



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



Associated Images



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