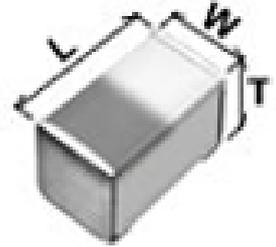


MHQ1005P4N3CTD25



| | |
|----------------------|---|
| Applications | Automotive Grade |
| Feature | <p>Multilayer Multilayer</p> <p>Non-Mag Core Non-Magnetic Core (Dielectric Ceramic)</p> <p>Super High Q Super High Q</p> <p>AEC-Q200 AEC-Q200</p> |
| Series Type | MHQ-P |
| Status | Production |
| Brand | TDK |



| Size | |
|------------------------------|----------------|
| Length(L) | 1.00mm ±0.05mm |
| Width(W) | 0.60mm ±0.05mm |
| Thickness(T) | 0.50mm ±0.10mm |
| Recommended Land Pattern (A) | 0.35mm Nom. |
| Recommended Land Pattern (B) | 0.50mm Nom. |
| Recommended Land Pattern (C) | 0.65mm Nom. |

| Electrical Characteristics | |
|--------------------------------|------------------------|
| Inductance | 4.3nH ±0.2nH at 100MHz |
| Rated Current | 800mA |
| DC Resistance [Typ.] | 75.36mΩ |
| DC Resistance [Max.] | 100mΩ |
| Self Resonant Frequency [Min.] | 5GHz |
| Self Resonant Frequency [Typ.] | 7.0954GHz |
| Q [Min.] | 23 at 250MHz |
| Q [Typ.] | 27 at 250MHz |

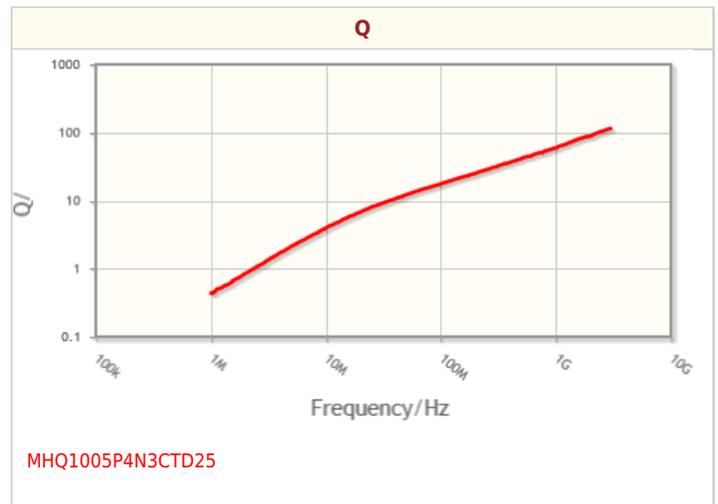
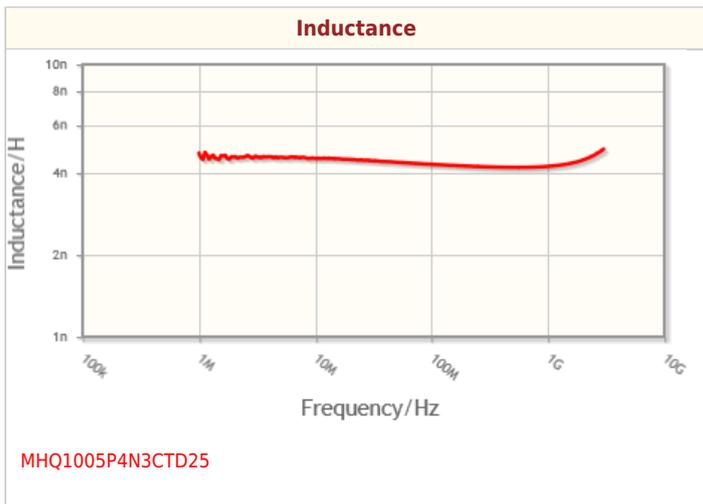
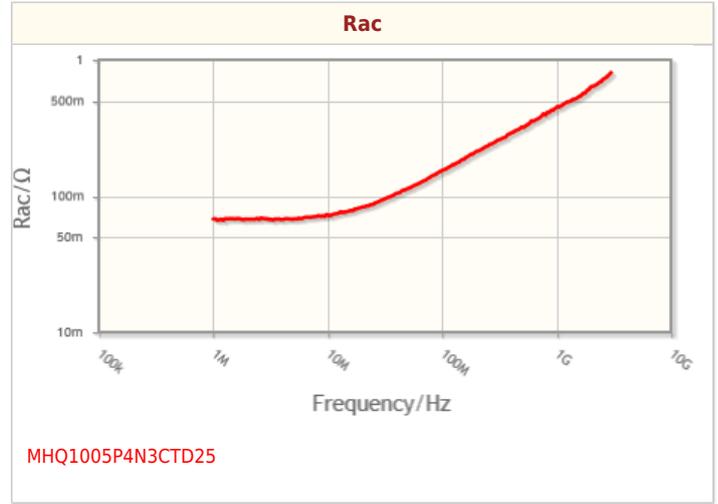
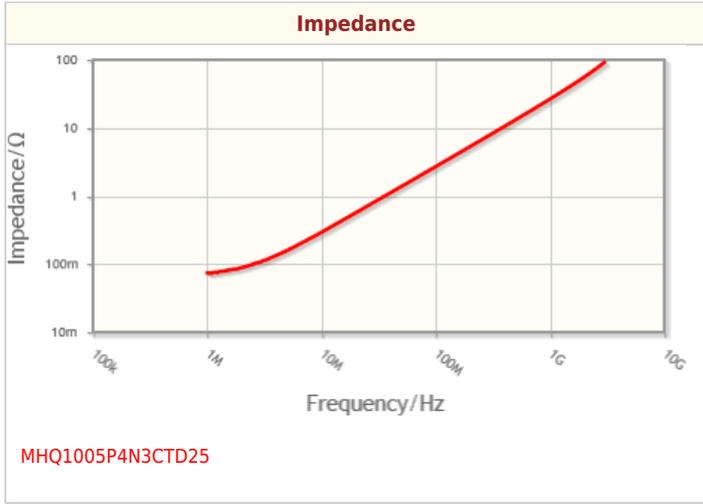
| Other | |
|---|------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125°C |
| Soldering Method | Reflow |
| AEC-Q200 | Yes |
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 10000pcs |
| Weight | 0.001g |

! 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.

MHQ1005P4N3CTD25



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



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Associated Images

