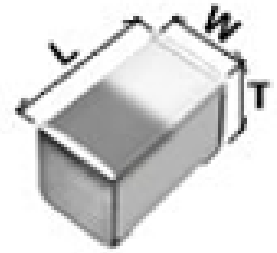


MHQ1005P3N8BT000



| | |
|----------------------|---|
| Applications | Commercial Grade |
| Feature | <div style="border: 1px solid black; padding: 2px;">Multilayer</div> Multilayer <div style="border: 1px solid black; padding: 2px;">Non-Mag Core</div> Non-Magnetic Core (Dielectric Ceramic) <div style="border: 1px solid black; padding: 2px;">Super High Q</div> Super High Q |
| 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 | 3.8nH ±0.1nH at 100MHz |
| Rated Current | 900mA |
| DC Resistance [Typ.] | 70mΩ |
| DC Resistance [Max.] | 100mΩ |
| Self Resonant Frequency [Min.] | 5GHz |
| Self Resonant Frequency [Typ.] | 7.9GHz |
| Q [Min.] | 23 at 250MHz |
| Q [Typ.] | |

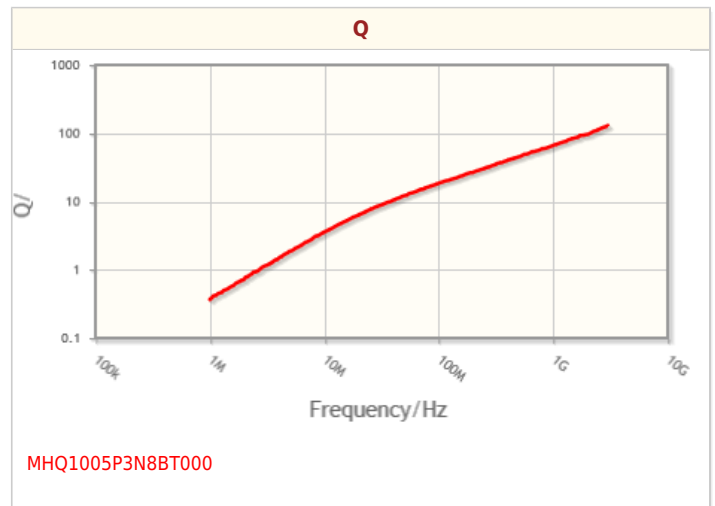
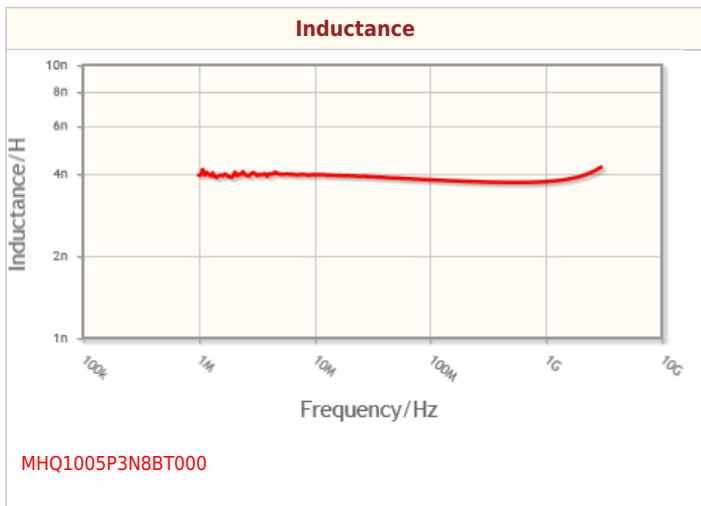
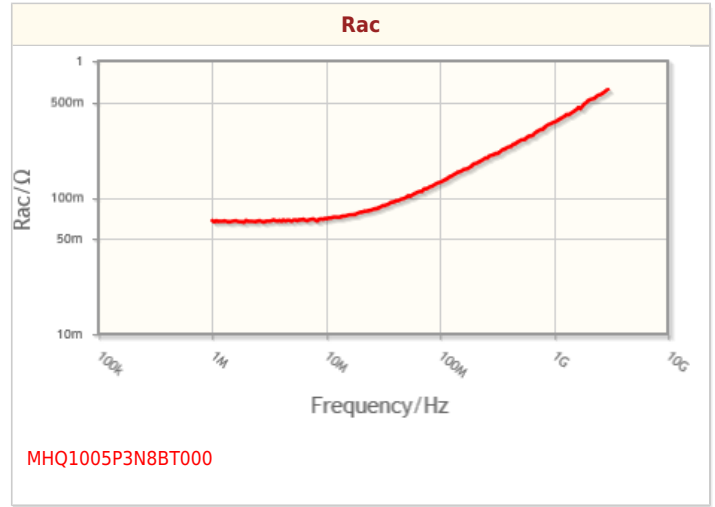
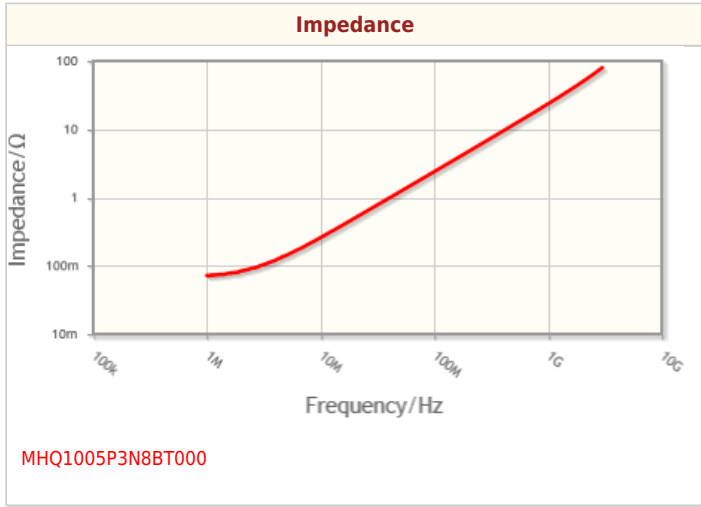
| Other | |
|---|------------------------------------|
| Operating Temp. Range (Including Self-Temp. Rise) | -55 to 125°C |
| Soldering Method | Reflow |
| AEC-Q200 | No |
| Packing | Punched (Paper)Taping [180mm Reel] |
| Package Quantity | 10000pcs |
| Weight | 0.001g |

! 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.

MHQ1005P3N8BT000



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



! 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.



Associated Images



! 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.