

Inductors (Coils)

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MHQ0402P4N7JT000



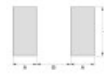
Applications Commercial Grade

- Feature**
- Multilayer** Multilayer
 - Non-Mag Core** Non-Magnetic Core (Dielectric Ceramic)
 - Super High Q** Super High Q

Series | Type MHQ-P

Status Production (Not Recommended for New Design)
Recommended Alternate Part No. : [MHQ0402PSA4N7JT000](#) (Interchangeability is not guaranteed.)

Brand TDK



Images are for reference only and show exemplary products.

PDF file of this page

Contact

Documents

- Catalog
- RoHS Certificate
- SVHC/REACH Certificate
- Product Lineup
- [Selection Guide] Inductors for high frequency applications [Update](#)
- Sample Kits

Technical Support Tools

- S-parameter
- SPICE Netlist (Simple)
- SPICE Netlist (Precision)
- Equivalent Circuit Model

| Size | |
|------------------------------|------------------|
| Length(L) | 0.44mm ±0.02mm |
| Width(W) | 0.24mm ±0.02mm |
| Thickness Height | 0.24mm ±0.02mm |
| Recommended Land Pattern (A) | 0.15mm to 0.20mm |
| Recommended Land Pattern (B) | 0.20mm Nom. |
| Recommended Land Pattern (C) | 0.18mm to 0.20mm |

| Electrical Characteristics | |
|--------------------------------|---------------------|
| Inductance | 4.7nH ±5% at 500MHz |
| Rated Current | 200mA |
| DC Resistance [Typ.] | 490mΩ |
| DC Resistance [Max.] | 700mΩ |
| Self Resonant Frequency [Min.] | 5GHz |
| Self Resonant Frequency [Typ.] | 6.6GHz |
| Q [Min.] | 10 at 500MHz |
| Q [Typ.] | 13 at 500MHz |

| 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 | 20000pcs |
| Weight | 0.00011g |

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

Impedance

Rac

MHQ0402P4N7JT000

Change settings

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Inductance

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Q

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- Power Supplies >
- Magnets >
- Flash Storages >
- Wireless Power Transfer >
- FA Systems >

- Transparent Conductive Film >
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