

Inductors (Coils)

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MHQ0402P1N8BT000



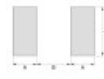
Applications Commercial Grade

- 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. : [MHQ0402PSA1N8BT000](#) (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	1.8nH ±0.1nH at 500MHz
Rated Current	250mA
DC Resistance [Typ.]	190mΩ
DC Resistance [Max.]	300mΩ
Self Resonant Frequency [Min.]	8GHz
Self Resonant Frequency [Typ.]	10.6GHz
Q [Min.]	10 at 500MHz
Q [Typ.]	14 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

MHQ0402P1N8BT000

Change settings

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Change settings

Inductance

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Q

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Change settings



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