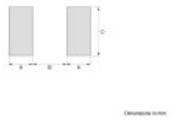
Inductors (Coils)

MHQ0402P1N6CT000

RoHS | REACH SVHC-Free | Halogen Free | Lead Free

Applications	Commercial Grade
Feature	Multilayer Non-Magnetic Core (Dielectric Ceramic) Super High Q
Series | Type	MHQ-P
Status	Production (Not Recommended for New Design) Recommended Alternate Part No. : MHQ0402PSA1N6CT000 (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	1.6nH ±0.2nH at 500MHz
Rated Current	320mA
DC Resistance [Typ.]	140mΩ
DC Resistance [Max.]	300mΩ
Self Resonant Frequency [Min.]	8GHz
Self Resonant Frequency [Typ.]	11.1GHz
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

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Change settings

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Products

Transparent Conductive Film
Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB)
Solar Cells
Biosensor
Application Specific IC (ASIC) Development and Supply

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