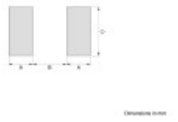
Inductors (Coils)

MHQ0402P2N6CT000

RoHS REACH SVHC-Free Halogen Free Lead Free

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. : MHQ0402PSA2N6CT000 (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	2.6nH ±0.2nH at 500MHz
Rated Current	200mA
DC Resistance [Typ.]	210mΩ
DC Resistance [Max.]	400mΩ
Self Resonant Frequency [Min.]	6GHz
Self Resonant Frequency [Typ.]	8.6GHz
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

MHQ0402P2N6CT000

Change settings

MHQ0402P2N6CT000

Change settings

Inductance

MHQ0402P2N6CT000

Change settings

Q

MHQ0402P2N6CT000

Change settings

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

Application Guides

Technical Support

Tech Library

Environment

Contact

News

Home

About TDK

TDK Worldwide

Terms of Use Privacy Policy Cookie Policy