

Inductors (Coils)

Product Top Page	Search by Part No.	Search by Characteristics	Cross Reference	Catalog	Tech Notes
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▼ more

MHQ0402P9N1JT000

Applications

Commercial Grade

Feature

Multilayer

Multilayer

Non-Mag Core

Non-Magnetic Core (Dielectric Ceramic)

Super High Q

Super High Q

Series | Type

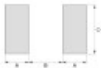
MHQ-P

Status

Production (Not Recommended for New Design)

Recommended Alternate Part No. : [MHQ0402PSA9N1JT000](#) (Interchangeability is not guaranteed.)

Brand

TDK

Images are for reference only and show exemplary products.

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	9.1nH ±5% at 500MHz
Rated Current	180mA
DC Resistance [Typ.]	780mΩ
DC Resistance [Max.]	1.5Ω
Self Resonant Frequency [Min.]	3GHz
Self Resonant Frequency [Typ.]	4.4GHz
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

?

RoHS

REACH SVHC-Free

Halogen Free

Lead Free

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

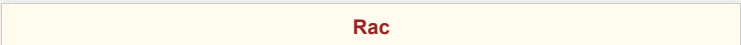
S-parameter

SPICE Netlist (Simple)

SPICE Netlist (Precision)

Equivalent Circuit Model

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



MHQ0402P9N1JT000

Change settings

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Inductance

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Q

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Change settings



- Selection Guides
- Search by Part No.
- Search by Characteristics
- Distributor Inventory Check
- Cross Reference

Products

- Capacitors
- Inductors (Coils)
- EMC Components
- RF Components and Modules
- Voltage / Current / Temperature Protection Devices
- Sensors and Sensor Systems
- Ceramic Switching / Heating, Piezo Components, Buzzers and Microphones
- Transformers
- Ferrites and Accessories
- Noise Suppressing / Magnetic Sheet
- Anechoic Chambers and Radio Wave Absorbers
- Power Supplies
- Magnets
- Flash Storages
- Wireless Power Transfer
- FA Systems

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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