

Inductors (Coils)

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Tech Notes

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MHQ0402P6N8HT000

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

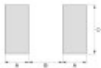
⚠

Production (Not Recommended for New Design)

Recommended Alternate Part No. : [MHQ0402PSA6N8HT000](#) (Interc hangeability 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	6.8nH ±3% at 500MHz
Rated Current	200mA
DC Resistance [Typ.]	610mΩ
DC Resistance [Max.]	1Ω
Self Resonant Frequency [Min.]	4GHz
Self Resonant Frequency [Typ.]	5.2GHz
Q [Min.]	10 at 500MHz
Q [Typ.]	15 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

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RoHS Certificate

SVHC/REACH Certificate

Product Lineup

[Selection Guide] Inductors for high frequency applications 

Update

Sample Kits

Technical Support Tools

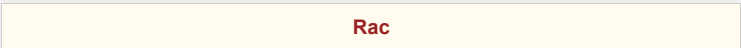
S-parameter

SPICE Netlist (Simple)

SPICE Netlist (Precision)

Equivalent Circuit Model

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



MHQ0402P6N8HT000

Change settings

MHQ0402P6N8HT000

Change settings

Inductance

MHQ0402P6N8HT000

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Q

MHQ0402P6N8HT000

Change settings



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RF Components and Modules	>
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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	>

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Micro Modules (Substrates with Built-in ICs, Products Utilizing with SESUB)	>
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