



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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MHQ0603P Series Inductor Kit

Consumer Grade High Frequency Inductor Kit



The TDK MHQ0603P Series High Frequency Inductors are made up of thin sheets of unique ceramic material layered together. A coil pattern is printed onto each layer of material with metallic paste (normally silver). The sheets are then layered so a spiral-shaped internal electrode pattern is created, which eliminates the need to wind wire onto a core. This multilayer configuration allows for high Q characteristics that are equivalent to that of air core wound inductors, while allowing for miniaturization and mass production.

Features

- High Q factor contributes to reduced losses in RF circuits
- Dimensions: 0.65 x 0.35 x 0.35mm (L x W x H)
- Operating temperature range of -55°C to +125°C
- Storage temperature range of -55°C to +125°C (after PC board mounting)

High-Frequency

Consumer



Applications

- Smart phones
- Bluetooth
- UWB
- Tablet terminals
- W-LAN
- High frequency modules (PAs, VCOs, FEMs)
- Other mobile communication circuits

[Datasheet](#)

MHQ0603P Series Inductor Kit Includes:

Case Size: 0603 Metric (0201Inch)
Inductance Range: 0.6nH—39nH (standard tolerance)
Current Rating (max): 1000mA—160mA
SRF (min): 10GHz -1.6Ghz

Note that two part numbers are needed to order the complete range of inductance:

Digi-Key Part Number	Inductance Range	Number of Pieces in Kit
445-173065-KIT-ND	0.6-11nH	20 pieces per value - 600 pcs total
445-173084-KIT-ND	12-39nH	20 pieces per value - 260 pcs total

Now Available at:



[445-173065-KIT-ND](#) & [445-173084-KIT-ND](#)

MHQ0603P Series Inductor Kit Includes:

Digi-Key Part Number	TDK Item List	Item Description
445-173065-KIT-ND	MHQ0603P0N6CT000	0603 0.6±0.2nH
	MHQ0603P0N7CT000	0603 0.7±0.2nH
	MHQ0603P0N8CT000	0603 0.8±0.2nH
	MHQ0603P0N9CT000	0603 0.9±0.2nH
	MHQ0603P1N0CT000	0603 1.0±0.2nH
	MHQ0603P1N1CT000	0603 1.1±0.2nH
	MHQ0603P1N2CT000	0603 1.2±0.2nH
	MHQ0603P1N3CT000	0603 1.3±0.2nH
	MHQ0603P1N5CT000	0603 1.5±0.2nH
	MHQ0603P1N6CT000	0603 1.6±0.2nH
	MHQ0603P1N8CT000	0603 1.8±0.2nH
	MHQ0603P2N0CT000	0603 2.0±0.2nH
	MHQ0603P2N2CT000	0603 2.2±0.2nH
	MHQ0603P2N4CT000	0603 2.4±0.2nH
	MHQ0603P2N7CT000	0603 2.7±0.2nH
	MHQ0603P3N0CT000	0603 3.0±0.2nH
	MHQ0603P3N3CT000	0603 3.3±0.2nH
	MHQ0603P3N6CT000	0603 3.6±0.2nH
	MHQ0603P3N9CT000	0603 3.9±0.2nH
	MHQ0603P4N3ST000	0603 4.3±0.3nH
	MHQ0603P4N7ST000	0603 4.7±0.3nH
	MHQ0603P5N1ST000	0603 5.1±0.3nH
	MHQ0603P5N6ST000	0603 5.6±0.3nH
	MHQ0603P6N2ST000	0603 6.2±0.3nH
	MHQ0603P6N8JT000	0603 6.8±5%
	MHQ0603P7N5JT000	0603 7.5±5%
	MHQ0603P8N2JT000	0603 8.2±5%
	MHQ0603P9N1JT000	0603 9.1±5%
	MHQ0603P10NJT000	0603 10±5%
	MHQ0603P11NJT000	0603 11±5%
445-173084-KIT-ND	MHQ0603P12NJT000	0603 12±5%
	MHQ0603P13NJT000	0603 13±5%
	MHQ0603P15NJT000	0603 15±5%
	MHQ0603P16NJT000	0603 16±3%
	MHQ0603P18NJT000	0603 18±5%
	MHQ0603P20NJT000	0603 20±5%
	MHQ0603P22NJT000	0603 22±5%
	MHQ0603P24NJT000	0603 24±5%
	MHQ0603P27NJT000	0603 27±5%
	MHQ0603P30NJT000	0603 30±5%
	MHQ0603P33NJT000	0603 33±5%
	MHQ0603P36NJT000	0603 36±5%
MHQ0603P39NJT000	0603 39±5%	