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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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# MLG0402Q Series Inductor Kit

Consumer Grade High Frequency Inductor Kit



The TDK MLG0402Q Series High Frequency Inductors are High Q type inductors for high-frequency circuits. Their advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high-frequency. This series has an operating temperature range of  $-55^{\circ}\text{C}$  to  $+125^{\circ}\text{C}$ .

## Features

- Unique ceramic material and configuration allows for High Q characteristics that are equivalent to that of air core wound inductors
- Compared with existing products, the size was greatly reduced, making it optimal for fine-pitch circuits

High-Frequency

Consumer



## Applications

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

[Datasheet](#)

## MLG0402Q Series Inductor Kit Includes:

Case Size: 0402

Inductance Range: 1.0nH-33nH (standard tolerance)

Current Rating: 250mA-120mA

SRF: 10GHz-1.7GHz

*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
445-172406-KIT-ND	1.0-3.9nH	20 pieces per value - 600 pcs total
445-172407-KIT-ND	4.0-33nH	20 pieces per value - 340 pcs total

Now Available at:



[445-172406-KIT-ND](#) & [445-172407-KIT-ND](#)

*Click the links above for ordering information.*



## MLG0402Q Series Inductor Kit Includes:

Digi-Key Part Number	TDK Item List	Item Description
445-172406-KIT-ND	MLG0402Q1N0ST000	0402 1.0nH ± 0.3nH
	MLG0402Q1N1ST000	0402 1.1nH ± 0.3nH
	MLG0402Q1N2ST000	0402 1.2nH ± 0.3nH
	MLG0402Q1N3ST000	0402 1.3nH ± 0.3nH
	MLG0402Q1N4ST000	0402 1.4nH ± 0.3nH
	MLG0402Q1N5ST000	0402 1.5nH ± 0.3nH
	MLG0402Q1N6ST000	0402 1.6nH ± 0.3nH
	MLG0402Q1N7ST000	0402 1.7nH ± 0.3nH
	MLG0402Q1N8ST000	0402 1.8nH ± 0.3nH
	MLG0402Q1N9ST000	0402 1.9nH ± 0.3nH
	MLG0402Q2N0ST000	0402 2.0nH ± 0.3nH
	MLG0402Q2N1ST000	0402 2.1nH ± 0.3nH
	MLG0402Q2N2ST000	0402 2.2nH ± 0.3nH
	MLG0402Q2N3ST000	0402 2.3nH ± 0.3nH
	MLG0402Q2N4ST000	0402 2.4nH ± 0.3nH
	MLG0402Q2N5ST000	0402 2.5nH ± 0.3nH
	MLG0402Q2N6ST000	0402 2.6nH ± 0.3nH
	MLG0402Q2N7ST000	0402 2.7nH ± 0.3nH
	MLG0402Q2N8ST000	0402 2.8nH ± 0.3nH
	MLG0402Q2N9ST000	0402 2.9nH ± 0.3nH
	MLG0402Q3N0ST000	0402 3.0nH ± 0.3nH
	MLG0402Q3N1ST000	0402 3.1nH ± 0.3nH
	MLG0402Q3N2ST000	0402 3.2nH ± 0.3nH
	MLG0402Q3N3ST000	0402 3.3nH ± 0.3nH
	MLG0402Q3N4ST000	0402 3.4nH ± 0.3nH
	MLG0402Q3N5ST000	0402 3.5nH ± 0.3nH
	MLG0402Q3N6ST000	0402 3.6nH ± 0.3nH
MLG0402Q3N7ST000	0402 3.7nH ± 0.3nH	
MLG0402Q3N8ST000	0402 3.8nH ± 0.3nH	
MLG0402Q3N9ST000	0402 3.9nH ± 0.3nH	
445-172407-KIT-ND	MLG0402Q4N0ST000	0402 4.0nH ± 0.3nH
	MLG0402Q4N3ST000	0402 4.3nH ± 0.3nH
	MLG0402Q4N7ST000	0402 4.7nH ± 0.3nH
	MLG0402Q5N1ST000	0402 5.1nH ± 0.3nH
	MLG0402Q5N6ST000	0402 5.6nH ± 0.3nH
	MLG0402Q6N2ST000	0402 6.2nH ± 0.3nH
	MLG0402Q6N8JT000	0402 6.8nH ± 5%
	MLG0402Q7N5JT000	0402 7.5nH ± 5%
	MLG0402Q8N2JT000	0402 8.2nH ± 5%
	MLG0402Q9N1JT000	0402 9.1nH ± 5%
	MLG0402Q10NJT000	0402 10.0nH ± 5%
	MLG0402Q12NJT000	0402 12.0nH ± 5%
	MLG0402Q15NJT000	0402 15.0nH ± 5%
	MLG0402Q18NJT000	0402 18.0nH ± 5%
	MLG0402Q22NJT000	0402 22.0nH ± 5%
MLG0402Q27NJT000	0402 27.0nH ± 5%	
MLG0402Q33NJT000	0402 33.0nH ± 5%	