



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°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%	