MLG0603P Series Inductor Kit

Consumer Grade High Frequency Inductor Kit

The TDK MLG0603P 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°C.

High-Frequency

Consumer

Lead Free | Halogen Free | REACH | RoHS COMPLIANT

Datasheet

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

Applications

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

MLG0603P Series Inductor Kit Includes:

Case Size: 0603
Inductance Range: 0.6nH-120nH (standard tolerance)
Current Rating: 1000mA-80mA
SRF: 10GHz-0.8GHz

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
445-172915-KIT-ND	0.6-11nH	20 pieces per value - 600 pcs total
445-172916-KIT-ND	12-120nH	20 pieces per value - 500 pcs total

Now Available at: Digi-Key Corporation

445-172915-KIT-ND & 445-172916-KIT-ND

Click the links above for ordering information.

MLG0603P Series Inductor Kit Includes:

Digi-Key Part Number	TDK Item List	Item Description
445-172915-KIT-ND	MLG0603P0N6CT000	0603 0.6±0.2nH
	MLG0603P0N7CT000	0603 0.7±0.2nH
	MLG0603P0N8CT000	0603 0.8±0.2nH
	MLG0603P0N9CT000	0603 0.9±0.2nH
	MLG0603P1N0CT000	0603 1.0±0.2nH
	MLG0603P1N1CT000	0603 1.1±0.2nH
	MLG0603P1N2CT000	0603 1.2±0.2nH
	MLG0603P1N3CT000	0603 1.3±0.2nH
	MLG0603P1N5CT000	0603 1.5±0.2nH
	MLG0603P1N6CT000	0603 1.6±0.2nH
	MLG0603P1N8CT000	0603 1.8±0.2nH
	MLG0603P2N0CT000	0603 2.0±0.2nH
	MLG0603P2N2CT000	0603 2.2±0.2nH
	MLG0603P2N4CT000	0603 2.4±0.2nH
	MLG0603P2N7CT000	0603 2.7±0.2nH
	MLG0603P3N0CT000	0603 3.0±0.2nH
	MLG0603P3N3CT000	0603 3.3±0.2nH
	MLG0603P3N6CT000	0603 3.6±0.2nH
	MLG0603P3N9CT000	0603 3.9±0.2nH
	MLG0603P4N3ST000	0603 4.3±0.3nH
	MLG0603P4N7ST000	0603 4.7±0.3nH
	MLG0603P5N1ST000	0603 5.1±0.3nH
	MLG0603P5N6ST000	0603 5.6±0.3nH
	MLG0603P6N2ST000	0603 6.2±0.3nH
	MLG0603P6N8JT000	0603 6.8±5%
	MLG0603P7N5JT000	0603 7.5±5%
	MLG0603P8N2JT000	0603 8.2±5%
	MLG0603P9N1JT000	0603 9.1±5%
	MLG0603P10NJT000	0603 10±5%
	MLG0603P11NJT000	0603 11±5%
445-172916-KIT-ND	MLG0603P12NJT000	0603 12±5%
	MLG0603P13NJT000	0603 13±5%
	MLG0603P15NJT000	0603 15±5%
	MLG0603P16NJT000	0603 16±5%
	MLG0603P18NJT000	0603 18±5%
	MLG0603P20NJT000	0603 20±5%
	MLG0603P22NJT000	0603 22±5%
	MLG0603P24NJT000	0603 24±5%
	MLG0603P27NJT000	0603 27±5%
	MLG0603P30NJT000	0603 30±5%
	MLG0603P33NJT000	0603 33±5%
	MLG0603P36NJT000	0603 36±5%
	MLG0603P39NJT000	0603 39±5%
	MLG0603P43NJT000	0603 43±5%
	MLG0603P47NJT000	0603 47±5%
	MLG0603P51NJT000	0603 51±5%
	MLG0603P56NJT000	0603 56±5%
	MLG0603P62NJT000	0603 62±5%
	MLG0603P68NJT000	0603 68±5%
	MLG0603P75NJT000	0603 75±5%
	MLG0603P82NJT000	0603 82±5%
	MLG0603P91NJT000	0603 91±5%
	MLG0603PR10JT000	0603 100±5%
	MLG0603PR11JT000	0603 110±5%
	MLG0603PR12JT000	0603 120±5%