



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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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 $+125^{\circ}\text{C}$.

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



[Datasheet](#)

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:



[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%	