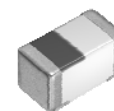


MLG0603P Series Inductor Sample Kit

Commercial Grade High Frequency Inductors

TDK's 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 $+125^{\circ}\text{C}$.



High Frequency

Multilayer

Commercial



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, size was greatly reduced, making MLG0603P optimal for fine-pitch circuits
- Operating and storage temperature range of -55 to $+125^{\circ}\text{C}$

Applications

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

Part Number Characteristics

MLG	0603		P	0N6		B	T		000
Series name	LxWxH Dimensions (mm)		Characteristics	Inductance (nH)		Inductance tolerance		Packaging style	Internal code
0603	0.6x0.3x0.3		P	1N1	1.1	B	$\pm 0.1\text{nH}$	T	Taping
				11N	11	C	$\pm 0.2\text{nH}$		
						S	$\pm 0.3\text{nH}$		
						H	$\pm 3\%$		
						J	$\pm 5\%$		

Sample Kit Information

Series/Kit Name	Size [mm]	Thickness [mm]	Inductance [nH]	Rated Current [mA] Max.
MLG0603P-1-KIT	0.6 x 0.3	0.33	0.6 to 11	250 to 1000
MLG0603P-2-KIT			12 to 120	80 to 250

Kit contains 420 pieces total—20 pieces each of 21 values

Digi-Key Part Number: [445-172915-KIT-ND](#) & [445-172916-KIT-ND](#)



MLG0603P Series Inductor Sample Kit

Commercial Grade High Frequency Inductors



Digi-Key Part Number	TDK Part Number	Part Number 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%

MLG0603P Series Inductor Sample Kit

Commercial Grade High Frequency Inductors



Digi-Key Part Number	TDK Part Number	Part Number Description
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%
	MLG0603P47NJT000	0603 47±5%
	MLG0603P51NJT000	0603 51±5%
	MLG0603P56NJT000	0603 56±5%
	MLG0603P68NJT000	0603 68±5%
	MLG0603P82NJT000	0603 82±5%
	MLG0603P91NJT000	0603 91±5%
MLG0603PR10JT000	0603 100±5%	
MLG0603PR12JT000	0603 120±5%	