

# TDK Ferrite Beads and GigaHertz Rated Inductors



## TDK MLK SERIES INDUCTORS

### Features:

- Supports operating frequency bands of up to 12GHz with nominal inductance values from 1 to 33nH.
- The gaseous multilayer structure reduces self-resonant frequencies and suppresses the reduction of Q values in gigahertz bandwidths.
- Advanced monolithic structure is formed using a multilayering and sintering process with ceramic and conductive materials for high-frequency.
- Completely lead-free product which contains no lead in any of the materials used. It supports lead-free solder, as well.

### Applications:

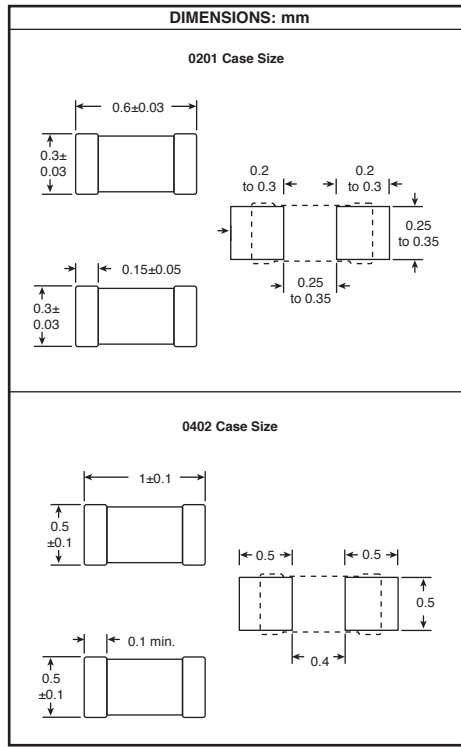
- High-frequency circuits for portable telephones, PA, Bluetooth modules, etc.

### Specifications:

- Operating Temperature Range: -55°C to +125°C
- Storage Temperature Range: -55°C to +125°C (unit of product)

For quantities of 1000 and up, call for quote.

MOUSER STOCK NO.	TDK Part No.	Case Size	Value (nH)	Tol. (±)	SRF (GHz)	DCR (Ω)	Rated Current (mA)	Price Each			
								1	10	100	500
810-MLK0603L1N0S	MLK0603L1N0S	0201	1.0	0.3nH	12	0.20	300				
810-MLK0603L1N2S	MLK0603L1N2S	0201	1.2	0.3nH	11	0.25	300				
810-MLK0603L1N5S	MLK0603L1N5S	0201	1.5	0.3nH	9.5	0.30	300				
810-MLK0603L1N8S	MLK0603L1N8S	0201	1.8	0.3nH	8.5	0.35	300				
810-MLK0603L2N2S	MLK0603L2N2S	0201	2.2	0.3nH	8.0	0.40	300				
810-MLK0603L2N7S	MLK0603L2N7S	0201	2.7	0.3nH	7.5	0.45	300				
810-MLK0603L3N3S	MLK0603L3N3S	0201	3.3	0.3nH	7.0	0.50	200				
810-MLK0603L3N9S	MLK0603L3N9S	0201	3.9	0.3nH	6.5	0.55	200				
810-MLK0603L4N7S	MLK0603L4N7S	0201	4.7	0.3nH	6.0	0.60	200				
810-MLK0603L5N6S	MLK0603L5N6S	0201	5.6	0.3nH	5.7	0.70	200				
810-MLK0603L6N8J	MLK0603L6N8J	0201	6.8	5%	5.5	0.80	200				
810-MLK0603L8N2J	MLK0603L8N2J	0201	8.2	5%	5.0	0.90	200				
810-MLK0603L10NJ	MLK0603L10NJ	0201	10	5%	4.7	1.0	200				
810-MLK0603L12NJ	MLK0603L12NJ	0201	12	5%	4.3	1.1	150				
810-MLK0603L15NJ	MLK0603L15NJ	0201	15	5%	4.0	1.2	150				
810-MLK0603L18NJ	MLK0603L18NJ	0201	18	5%	3.7	1.4	100				
810-MLK0603L22NJ	MLK0603L22NJ	0201	22	5%	3.5	1.6	100				



## TDK MMZ SERIES CHIP FERRITE BEADS

### Features:

- Size standardized for use by automatic assembly equipment. No preferred orientation.
- Either flow or reflow soldering methods can be used due to electroplating of the terminal electrodes.
- High reliability due to an entirely monolithic structure.
- Low DC resistance structure of electrode prevents wasteful electric power consumption.
- The products contain no lead and also support lead-free soldering.

### Applications:

- PCs, CRTs, liquid crystal display panels, printers, hard disk drives, game machines, cell phones, etc.

### Specifications:

- Operating/Storage Temp. Range: -55°C to +125°C

For quantities of 2000 and up, call for quote.

Code	Freq. Range	Applications
A	80-400 MHz	Very high impedance @ 100MHz, based on Y material
D	200-500 MHz	High impedance @ high frequencies
R	10-200 MHz	For digital signal lines req'g good waveform integrity
S	40-300 MHz	Standard type with blocking frequency near 100MHz
Y	80-400 MHz	Usable where signal freq. is far from cut-off frequency

MOUSER STOCK NO.	TDK Part No.	Case Size	Imp. (Ω)	DCR (Ω)	Rated Current (mA)	Material Characteristics	Price Each			
							1	25	100	1000
810-MMZ1608A152E	MMZ1608A152E	0603	1500	1.0	300	A				
810-MMZ1608R150A	MMZ1608R150A	0603	15	0.05	1500	R				
810-MMZ1608R300A	MMZ1608R300A	0603	30	0.05	1500	R				
810-MMZ1608R600A	MMZ1608R600A	0603	60	0.10	800	R				
810-MMZ1608R121A	MMZ1608R121A	0603	120	0.18	500	R				
810-MMZ1608R301A	MMZ1608R301A	0603	300	0.25	500	R				
810-MMZ1608R601A	MMZ1608R601A	0603	600	0.40	500	R				
810-MMZ1608R102A	MMZ1608R102A	0603	1000	0.50	400	R				
810-MMZ1608S400A	MMZ1608S400A	0603	40	0.10	600	S				
810-MMZ1608S800A	MMZ1608S800A	0603	80	0.15	500	S				
810-MMZ1608S121A	MMZ1608S121A	0603	120	0.20	500	S				
810-MMZ1608S181A	MMZ1608S181A	0603	180	0.20	500	S				
810-MMZ1608S301A	MMZ1608S301A	0603	300	0.30	500	S				
810-MMZ1608S601A	MMZ1608S601A	0603	600	0.40	500	S				
810-MMZ1608S102A	MMZ1608S102A	0603	1000	0.50	400	S				
810-MMZ1608Y121B	MMZ1608Y121B	0603	120	0.20	500	Y				
810-MMZ1608Y301B	MMZ1608Y301B	0603	300	0.30	500	Y				
810-MMZ1608Y601B	MMZ1608Y601B	0603	600	0.40	500	Y				
810-MMZ1608Y102B	MMZ1608Y102B	0603	1000	0.50	400	Y				
810-MMZ1608Y152B	MMZ1608Y152B	0603	1500	0.60	300	Y				

