

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:

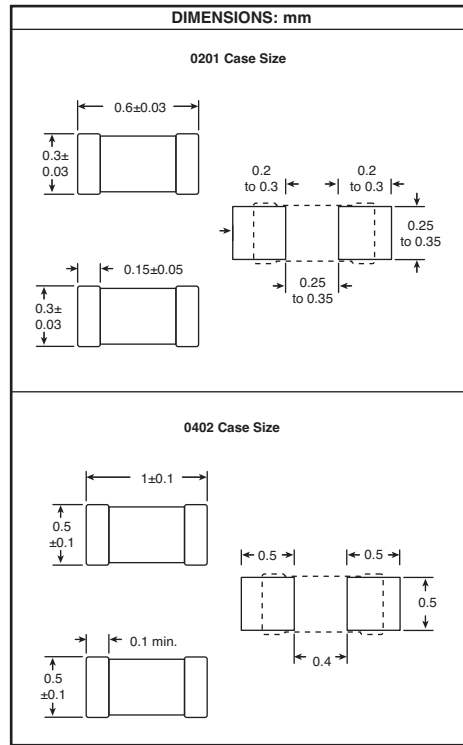
- High-frequency circuits for portable telephones, PA, Bluetooth modules, etc.

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	.17	.11	.099	.088
810-MLK0603L1N2S	MLK0603L1N2S	0201	1.2	0.3nH	11	0.25	300	.17	.11	.099	.088
810-MLK0603L1N5S	MLK0603L1N5S	0201	1.5	0.3nH	9.5	0.30	300	.17	.11	.099	.088
810-MLK0603L1N8S	MLK0603L1N8S	0201	1.8	0.3nH	8.5	0.35	300	.17	.11	.099	.088
810-MLK0603L2N2S	MLK0603L2N2S	0201	2.2	0.3nH	8.0	0.40	300	.17	.11	.099	.088
810-MLK0603L2N7S	MLK0603L2N7S	0201	2.7	0.3nH	7.5	0.45	300	.17	.11	.099	.088
810-MLK0603L3N3S	MLK0603L3N3S	0201	3.3	0.3nH	7.0	0.50	200	.17	.11	.099	.088
810-MLK0603L3N9S	MLK0603L3N9S	0201	3.9	0.3nH	6.5	0.55	200	.17	.11	.099	.088
810-MLK0603L4N7S	MLK0603L4N7S	0201	4.7	0.3nH	6.0	0.60	200	.17	.11	.099	.088
810-MLK0603L5N6S	MLK0603L5N6S	0201	5.6	0.3nH	5.7	0.70	200	.17	.11	.099	.088
810-MLK0603L6N8J	MLK0603L6N8J	0201	6.8	5%	5.5	0.80	200	.17	.11	.099	.088
810-MLK0603L8N2J	MLK0603L8N2J	0201	8.2	5%	5.0	0.90	200	.17	.11	.099	.088
810-MLK0603L10NJ	MLK0603L10NJ	0201	10	5%	4.7	1.0	200	.17	.11	.099	.088
810-MLK0603L12NJ	MLK0603L12NJ	0201	12	5%	4.3	1.1	150	.17	.11	.099	.088
810-MLK0603L15NJ	MLK0603L15NJ	0201	15	5%	4.0	1.2	150	.17	.11	.099	.088
810-MLK0603L18NJ	MLK0603L18NJ	0201	18	5%	3.7	1.4	100	.17	.11	.099	.088
810-MLK0603L22NJ	MLK0603L22NJ	0201	22	5%	3.5	1.6	100	.17	.11	.099	.088
810-MLK1005S1N0S	MLK1005S1N0S	0402	1.0	0.3nH	19	0.10	300	.14	.09	.083	.075
810-MLK1005S1N2S	MLK1005S1N2S	0402	1.2	0.3nH	16.2	0.15	300	.14	.09	.083	.072
810-MLK1005S1N5S	MLK1005S1N5S	0402	1.5	0.3nH	13.6	0.16	300	.14	.09	.083	.072
810-MLK1005S1N8S	MLK1005S1N8S	0402	1.8	0.3nH	10.5	0.20	300	.14	.09	.083	.072
810-MLK1005S2N2S	MLK1005S2N2S	0402	2.2	0.3nH	10	0.21	300	.14	.09	.083	.072
810-MLK1005S2N7S	MLK1005S2N7S	0402	2.7	0.3nH	9.2	0.23	300	.14	.09	.083	.072
810-MLK1005S3N3S	MLK1005S3N3S	0402	3.3	0.3nH	8.5	0.25	300	.14	.09	.083	.072
810-MLK1005S3N9S	MLK1005S3N9S	0402	3.9	0.3nH	8.2	0.28	300	.14	.09	.083	.072
810-MLK1005S4N7S	MLK1005S4N7S	0402	4.7	0.3nH	7.3	0.32	300	.14	.09	.083	.072
810-MLK1005S5N6D	MLK1005S5N6D	0402	5.6	0.5nH	7.2	0.35	300	.14	.09	.083	.072
810-MLK1005S6N8D	MLK1005S6N8D	0402	6.8	0.5nH	6.8	0.38	300	.14	.09	.083	.072
810-MLK1005S8N2D	MLK1005S8N2D	0402	8.2	0.5nH	6.5	0.42	300	.14	.09	.083	.072
810-MLK1005S10NJ	MLK1005S10NJ	0402	10	5%	6.3	0.45	200	.14	.09	.083	.072
810-MLK1005S12NJ	MLK1005S12NJ	0402	12	5%	6.2	0.50	200	.14	.09	.083	.072
810-MLK1005S15NJ	MLK1005S15NJ	0402	15	5%	5.6	0.55	200	.14	.09	.083	.072
810-MLK1005S18NJ	MLK1005S18NJ	0402	18	5%	5.3	0.65	200	.14	.09	.083	.072
810-MLK1005S22NJ	MLK1005S22NJ	0402	22	5%	5.1	0.75	200	.14	.09	.083	.072
810-MLK1005S27NJ	MLK1005S27NJ	0402	27	5%	4.7	0.95	200	.14	.09	.083	.072
810-MLK1005S33NJ	MLK1005S33NJ	0402	33	5%	4.2	1.1	200	.14	.09	.083	.072
810-MLK1005S39NJ	MLK1005S39NJ	0402	39	5%	3.4	1.2	100	.14	.09	.083	.075
810-MLK1005S47NJ	MLK1005S47NJ	0402	47	5%	2.9	1.3	100	.14	.09	.083	.072
810-MLK1005S56NJ	MLK1005S56NJ	0402	56	5%	2.8	1.4	100	.14	.09	.083	.072
810-MLK1005S68NJ	MLK1005S68NJ	0402	68	5%	2.7	1.6	100	.14	.09	.083	.072
810-MLK1005S82NJ	MLK1005S82NJ	0402	82	5%	2.1	1.8	50	.14	.09	.083	.072
810-MLK1005SR10J	MLK1005SR10J	0402	100	5%	2.0	2.2	50	.14	.09	.083	.072



Inductors TDK

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'd 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	.10	.045	.042	.028
810-MMZ1608R150A	MMZ1608R150A	0603	15	0.05	1500	R	.10	.07	.042	.028
810-MMZ1608R300A	MMZ1608R300A	0603	30	0.05	1500	R	.10	.07	.042	.028
810-MMZ1608R600A	MMZ1608R600A	0603	60	0.10	800	R	.10	.07	.042	.028
810-MMZ1608R121A	MMZ1608R121A	0603	120	0.18	500	R	.10	.07	.042	.028
810-MMZ1608R301A	MMZ1608R301A	0603	300	0.25	500	R	.10	.07	.042	.028
810-MMZ1608R601A	MMZ1608R601A	0603	600	0.40	500	R	.10	.07	.042	.028
810-MMZ1608R102A	MMZ1608R102A	0603	1000	0.50	400	R	.10	.07	.042	.028
810-MMZ1608S400A	MMZ1608S400A	0603	40	0.10	600	S	.10	.07	.042	.028
810-MMZ1608S800A	MMZ1608S800A	0603	80	0.15	500	S	.10	.07	.042	.028
810-MMZ1608S121A	MMZ1608S121A	0603	120	0.20	500	S	.10	.07	.042	.028
810-MMZ1608S181A	MMZ1608S181A	0603	180	0.20	500	S	.10	.07	.042	.028
810-MMZ1608S301A	MMZ1608S301A	0603	300	0.30	500	S	.10	.07	.042	.028
810-MMZ1608S601A	MMZ1608S601A	0603	600	0.40	500	S	.10	.07	.042	.028
810-MMZ1608S102A	MMZ1608S102A	0603	1000	0.50	400	S	.10	.07	.042	.028
810-MMZ1608Y121B	MMZ1608Y121B	0603	120	0.20	500	Y	.10	.07	.042	.028
810-MMZ1608Y301B	MMZ1608Y301B	0603	300	0.30	500	Y	.10	.07	.042	.028
810-MMZ1608Y601B	MMZ1608Y601B	0603	600	0.40	500	Y	.10	.07	.042	.028
810-MMZ1608Y102B	MMZ1608Y102B	0603	1000	0.50	400	Y	.10	.07	.042	.028
810-MMZ1608Y152B	MMZ1608Y152B	0603	1500	0.60	300	Y	.10	.07	.042	.028
810-MMZ2012D121B	MMZ2012D121B	0805	120	0.30	500	D	.13	.057	.053	.035
810-MMZ2012D301B	MMZ2012D301B	0805	300	0.50	400	D	.13	.057	.053	.035
810-MMZ2012R150A	MMZ2012R150A	0805	15	0.05	1500	R	.13	.07	.053	.035
810-MMZ2012R300A	MMZ2012R300A	0805	30	0.05	1500	R	.13	.07	.053	.035
810-MMZ2012R600A	MMZ2012R600A	0805	60	0.10	1000	R	.13	.07	.053	.035
810-MMZ2012R121A	MMZ2012R121A	0805	120	0.12	800	R	.13	.07	.053	.035
810-MMZ2012R301A	MMZ2012R301A	0805	300	0.15	600	R	.13	.07	.053	.035
810-MMZ2012R601A	MMZ2012R601A	0805	600	0.20	500	R	.13	.07	.053	.035
810-MMZ2012R102A	MMZ2012R102A	0805	1000	0.30	500	R	.13	.07	.053	.035
810-MMZ2012S400A	MMZ2012S400A	0805	40	0.10	1000	S	.13	.057	.053	.035
810-MMZ2012S800A	MMZ2012S800A	0805	80	0.10	800	S	.13	.07	.053	.035
810-MMZ2012S121A	MMZ2012S121A	0805	120	0.15	800	S	.13	.07	.053	.035
810-MMZ2012S301A	MMZ2012S301A	0805	300	0.20	600	S	.13	.07	.053	.035
810-MMZ2012S601A	MMZ2012S601A	0805	600	0.30	500	S	.13	.07	.053	.035
810-MMZ2012S102A	MMZ2012S102A	0805	1000	0.35	500	S	.13	.07	.053	.035
810-MMZ2012Y150B	MMZ2012Y150B	0805	150	0.05	1500	Y	.13	.057	.053	.035
810-MMZ2012Y300B	MMZ2012Y300B	0805	30	0.05	1500	Y	.13	.057	.053	.035
810-MMZ2012Y600B	MMZ2012Y600B	0805	60	0.10	1000	Y	.13	.057	.053	.035
810-MMZ2012Y121B	MMZ2012Y121B	0805	120	0.12	800	Y	.13	.057	.053	.035
810-MMZ2012Y301B	MMZ2012Y301B	0805	300	0.15	600	Y	.13	.057	.053	.035
810-MMZ2012Y601B	MMZ2012Y601B	0805	600	0.20	500	Y	.13	.07	.053	.035
810-MMZ2012Y102B	MMZ2012Y102B	0805	1000	0.30	500	Y	.13	.057	.053	.035
810-MMZ2012Y152B	MMZ2012Y152B	0805	1500	0.40	500	Y	.13	.057	.053	.035
810-MMZ2012Y202B	MMZ2012Y202B	0805	2000	0.50	400	Y	.13	.057	.053	.035

