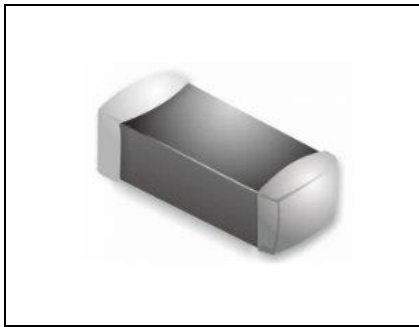


FERRITE CHIP INDUCTORS

MEC series: MLI-2012



- Forms excellent magnetic shield.
- High Q Factor.
- Impedance Range: 0.047-33uh.
- Current Range: 5-300ma.

Reel Quantity: MLI-201209: 4000pcs,

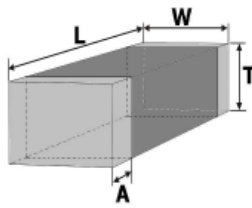
MLI-201212: 3000pcs

Temperature Range: -40°C ~ +125°C

Application Examples

Part Number	Inductance (μH)	Q Min	Test Freq (MHz)	SRF (MHz) (Min)	DCR (Ω) Max	Rated Current (ma) (Max)	Engineering Spec
MLI-201209-47L	0.047 ±20%	10	50	320	0.20	300	PDF
MLI-201209-68L	0.068±20%	15	50	280	0.20	300	PDF
MLI-201209-82L	0.082±20%	15	50	255	0.20	300	PDF
MLI-201209-R10L	0.1±10%	20	25	235	0.30	250	PDF
MLI-201209-R12L	0.12±10%	20	25	220	0.30	250	PDF
MLI-201209-R18L	0.18±10%	20	25	185	0.40	250	PDF
MLI-201209-R22L	0.22±10%	20	25	170	0.50	250	PDF
MLI-201209-R27L	0.27±10%	20	25	150	0.50	250	PDF
MLI-201209-R33L	0.33±10%	20	25	145	0.55	250	PDF
MLI-201209-R47L	0.47±10%	25	25	125	0.65	200	PDF
MLI-201209-R56L	0.56±10%	25	25	115	0.75	150	PDF
MLI-201209-R68L	0.68±10%	25	25	105	0.80	150	PDF
MLI-201209-R82L	0.82±10%	25	25	100	1.00	150	PDF
MLI-201209-1R0M	1.0±10%	45	10	75	0.40	50	PDF
MLI-201209-1R2M	1.2±20%	45	10	65	0.50	50	PDF
MLI-201209-1R8M	1.8±10%	45	10	55	0.60	50	PDF
MLI-201209-2R2M	2.2±10%	45	10	50	0.65	30	PDF
MLI-201212-3R3M	3.3±10%	45	10	41	0.80	30	PDF
MLI-201212-4R7M	4.7±10%	45	10	35	1.00	30	PDF
MLI-201212-5R6M	5.6±10%	50	4	32	0.90	15	PDF
MLI-201212-6R8M	6.8±10%	20	4	29	1.00	15	PDF
MLI-201212-8R2M	8.2±10%	50	4	26	1.10	15	PDF
MLI-201212-100M	10±10%	50	2	24	1.15	15	PDF
MLI-201212-120M	12±10%	50	2	22	1.25	15	PDF
MLI-201212-180M	18±10%	30	1	18	0.90	5	PDF
MLI-201212-220M	22±20%	30	1	16	1.10	5	PDF
MLI-201212-330M	33±20%	30	1	13	1.25	5	PDF

Dimensions



unit:
mm
(inch)

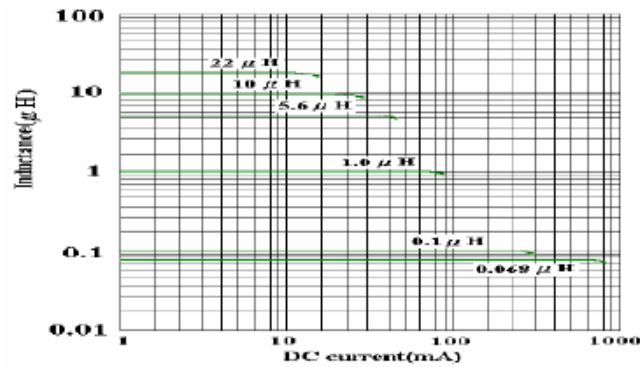
MLI-201209

L	W	T	A(m/m)
2±0.2	1.25±0.2	0.85±0.2	0.2~0.8
(0.079±0.008)	(0.049±0.008)	(0.033±0.008)	(0.008~0.031)

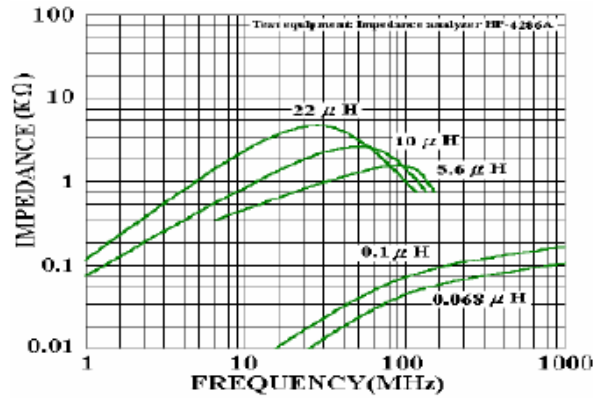
MLI-201212

L	W	T	A(m/m)
2±0.2	1.25±0.2	1.25±0.2	0.2~0.8
(0.079±0.008)	(0.049±0.008)	(0.049±0.008)	(0.008~0.031)

INDUCTANCE VS DC SUPERPOSITION CHARACTERISTICS



IMPEDANCE VS FREQUENCY CHARACTERISTICS



Q VS FREQUENCY CHARACTERISTICS

