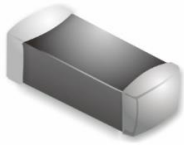


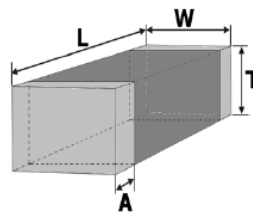
FERRITE CHIP INDUCTORS

MEC series: MLI-C



- Suited for high current applications.
- Low DC Resistance.
- Small size, low profile and high performance.
- Closed magnetic field design, no coupling effect with other parts.
- Suitable for high density PCB layout.
- Inductance Range: 30-1000ohm.
- Current Range: 110-1800ma.

Operating Temperature Range: -40°C ~ +125°C

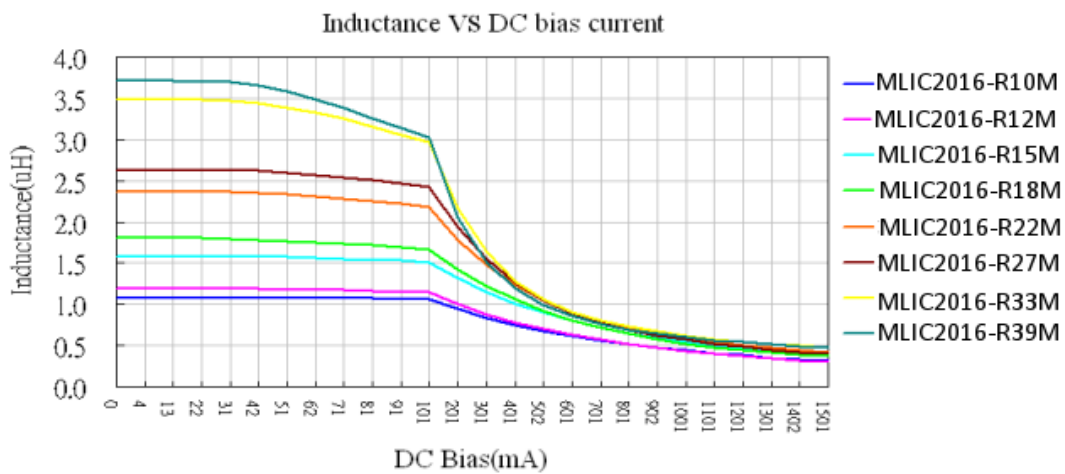
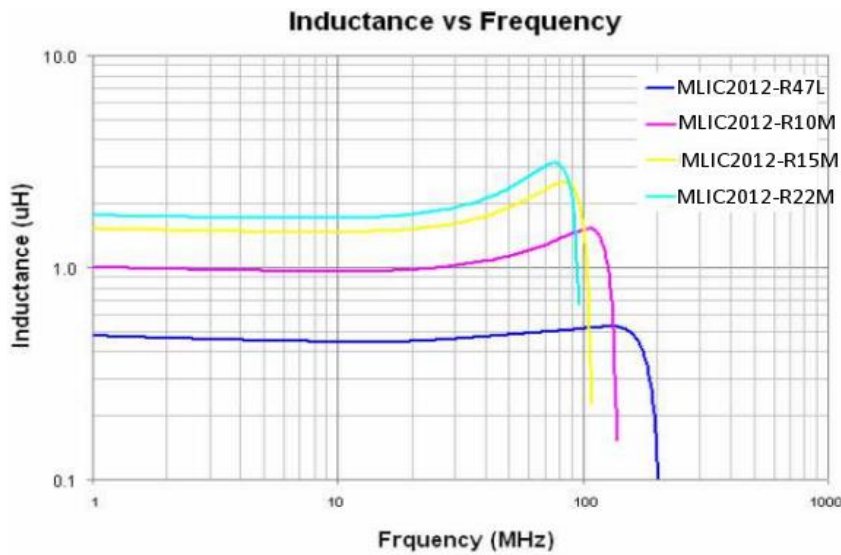
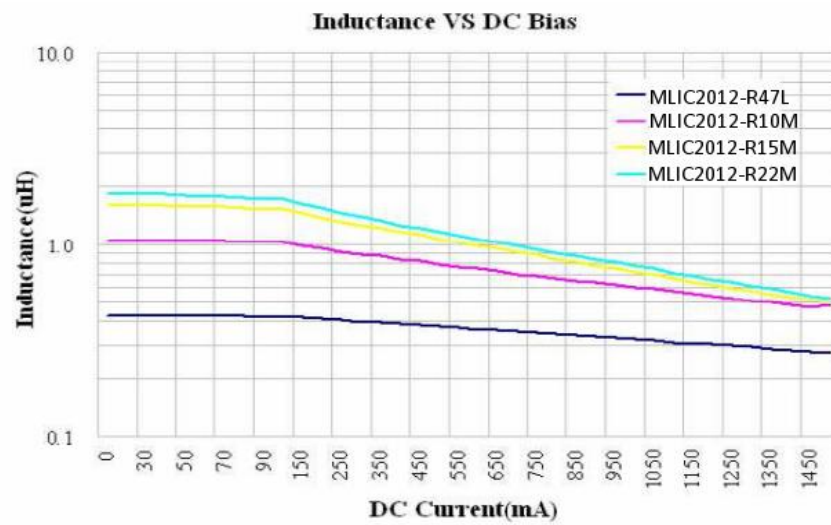


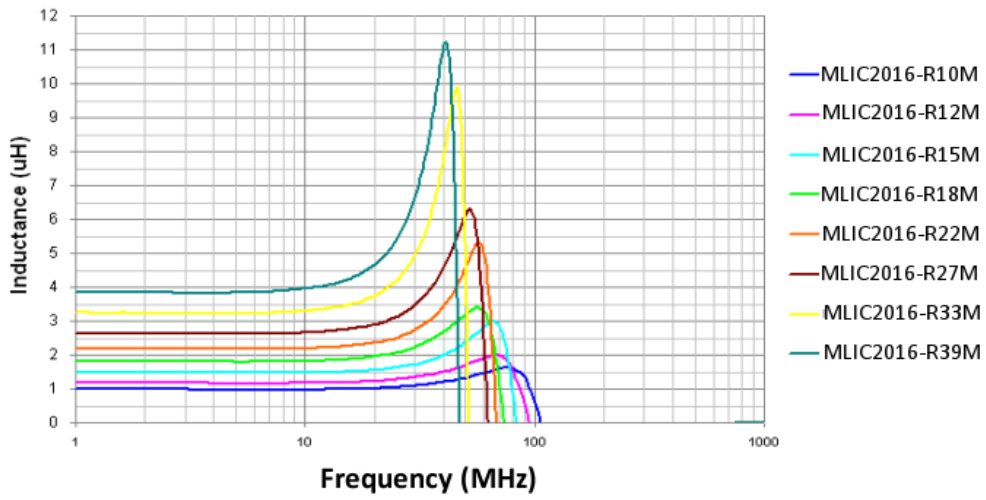
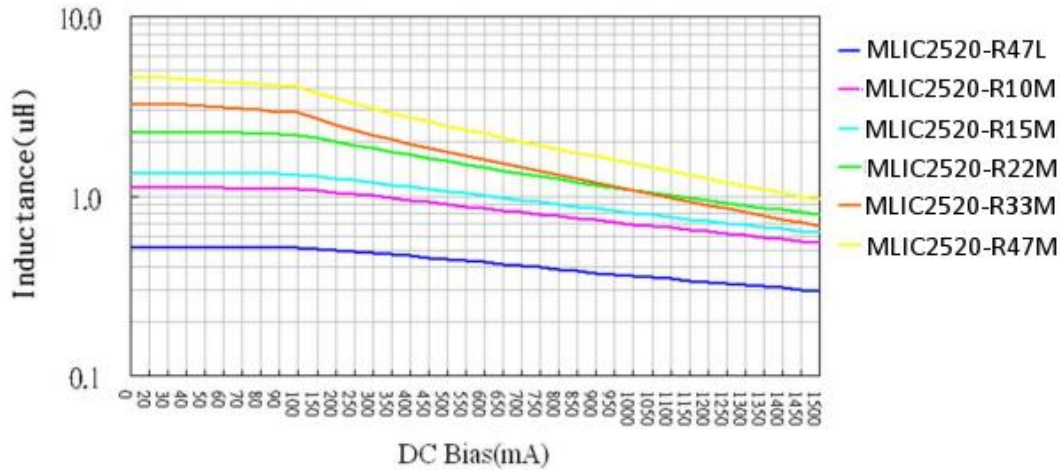
Application Examples

Profile	L	W	T	A	Reel Quantity
MLIC-160808	1.6±0.15	0.8±0.15	0.8±0.15	0.2 ~ 0.6	4000pcs
MLIC-201209	2.0±0.2	1.25±0.2	0.9±0.1	0.5±0.2	4000pcs
MLIC-201609	2.0±0.15	1.6±0.15	0.9±0.1	0.3 ~ 0.7	3000pcs
MLIC-252009	2.5±0.2	2.0±0.2	0.9±0.1	0.6±0.2	3000pcs

Part Number	Inductance @1MHz 250mV	Self-Resonant Frequency (MHz) Min	DCR (Ω)	Rated Current (ma) Max	Engineering Spec
MLIC-160808-R10M	1.0μH ±20%	100	0.20 ±25%	950	PDF
MLIC-160808-R15M	1.5μH ±20%	50	0.11 ±25%	1300	-
MLIC-160808-R22M	2.2μH ±20%	70	0.36 ±30%	600	-
MLIC-160808-R33M	3.3μH ±20%	60	0.43 ±20%	700	PDF
MLIC-160808-R47M	4.7μH ±20%	100	0.50 ±20%	620	-
MLIC-160808-R82M	8.2μH ±20%	40	0.43 ±20%	110	PDF
MLIC-160808-100M	10μH ±20%	30	0.43 ±20%	110	-
MLIC-201209-R47L	0.47μH ±20%	100	0.10 ±25%	1100	PDF
MLIC-201209-R68L	0.68μH ±20%	100	0.12 ±25%	1000	PDF
MLIC-201209-R82L	0.82μH ±20%	90	0.14 ±25%	900	PDF
MLIC-201209-R10M	1.0μH ±20%	90	0.16 ±25%	800	PDF

MLIC-201209-R10M-2	1.0 μ H \pm 30%	90	0.048 ~ 0.081	1300	PDF
MLIC-201209-R10M-3	1.0 μ H \pm 20%	90	0.11 \pm 20%	1200	PDF
MLIC-201209-R12M	1.2 μ H \pm 20%	80	0.20 \pm 30%	800	PDF
MLIC-201209-R15M	1.5 μ H \pm 20%	70	0.20 \pm 30%	700	PDF
MLIC-201209-R15M-2	1.5 μ H \pm 20%	90	0.11 \pm 20%	1200	PDF
MLIC-201209-R18M	1.8 μ H \pm 20%	60	0.22 \pm 25%	700	PDF
MLIC-201209-R22M	2.2 μ H \pm 20%	50	0.25 \pm 25%	600	PDF
MLIC-201209-R22M-2	2.2 μ H \pm 20%	50	0.25 \pm 25%	800	PDF
MLIC-201209-R22M-3	2.2 μ H \pm 20%	50	0.17 \pm 20%	1000	PDF
MLIC-201209-R33M	3.3 μ H \pm 20%	40	0.22 \pm 25%	500	PDF
MLIC-201209-R47M	4.7 μ H \pm 20%	30	0.30 \pm 25%	500	PDF
MLIC-201209-R47M-2	4.7 μ H \pm 20%	30	0.26 \pm 20%	800	PDF
MLIC-201609-R47L	0.47 μ H \pm 20%	100	0.14 \pm 30%	1500	PDF
MLIC-201609-R47L-2	0.47 μ H \pm 20%	100	0.06 \pm 25%	1600	PDF
MLIC-201609-R68L	0.68 μ H \pm 20%	90	0.15 \pm 30%	1500	PDF
MLIC-201609-R82L	0.82 μ H \pm 20%	80	0.16 \pm 30%	1500	PDF
MLIC-201609-R10M	1.0 μ H \pm 20%	60	0.16 \pm 30%	1400	PDF
MLIC-201609-R10M-2	1.0 μ H \pm 20%	60	0.11 \pm 30%	1700	PDF
MLIC-201609-R12M	1.2 μ H \pm 20%	60	0.16 \pm 30%	1400	PDF
MLIC-201609-R15M	1.5 μ H \pm 20%	50	0.20 \pm 30%	1200	PDF
MLIC-201609-R15M-2	1.5 μ H \pm 20%	50	0.12 \pm 30%	1300	PDF
MLIC-201609-R18M	1.8 μ H \pm 20%	50	0.20 \pm 20%	1200	PDF
MLIC-201609-R22M	2.2 μ H \pm 20%	40	0.22 \pm 30%	1200	PDF
MLIC-201609-R22M-2	2.2 μ H \pm 20%	40	0.14 (Max)	1200	PDF
MLIC-201609-R33M	3.3 μ H \pm 20%	30	0.24 \pm 30%	1100	PDF
MLIC-201609-R39M	3.9 μ H \pm 20%	30	0.28 \pm 30%	1100	PDF
MLIC-201609-R47M	4.7 μ H \pm 20%	20	0.30 \pm 30%	1100	PDF
MLIC-201609-100M	10 μ H \pm 20%	20	0.25 \pm 25%	800	PDF
MLIC-252009-R47L	0.47 μ H \pm 20%	100	0.07 \pm 25%	1800	PDF
MLIC-252009-R68L	0.68 μ H \pm 20%	90	0.09 \pm 25%	1700	PDF
MLIC-252009-R82L	0.82 μ H \pm 20%	80	0.10 \pm 25%	1700	PDF
MLIC-252009-R82L-2	1.0 μ H \pm 20%	60	0.11 \pm 25%	1600	-
MLIC-252009-R10M	1.0 μ H \pm 20%	60	0.09 \pm 25%	1600	PDF
MLIC-252009-R12M	1.2 μ H \pm 20%	60	0.11 \pm 25%	1600	PDF
MLIC-252009-R15M	1.5 μ H \pm 20%	50	0.13 \pm 25%	1500	PDF
MLIC-252009-R18M	1.8 μ H \pm 20%	50	0.13 \pm 25%	1500	PDF
MLIC-252009-R22M	2.2 μ H \pm 20%	40	0.17 \pm 25%	1300	PDF
MLIC-252009-R22M-2	2.2 μ H \pm 20%	40	0.12 (MAX)	1600	PDF
MLIC-252009-R22M-3	2.2 μ H \pm 20%	40	0.10 \pm 20%	1600	PDF
MLIC-252009-R33M	3.3 μ H \pm 20%	30	0.16 \pm 25%	1200	PDF
MLIC-252009-R47M	4.7 μ H \pm 20%	25	0.20 \pm 25%	1100	PDF
MLIC-252009-R47M-2	4.7 μ H \pm 20%	25	0.24 (MAX)	1300	PDF
MLIC-252009-R68M	6.8 μ H \pm 20%	25	0.2 \pm 30%	1200	PDF



Inductance vs Frequency

Inductance VS DC bias current

Inductance vs Frequency
