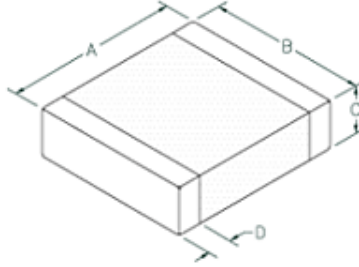
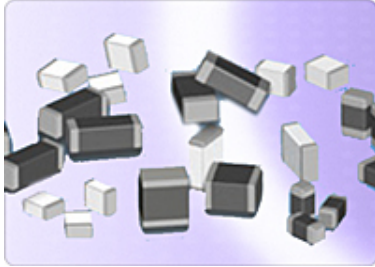


Chip Inductor - Signal Filtering Inductors



Item #	Inductance L ($\pm 10\%$) at 25 MHz	Self-Resonant Frequency	MAX. DCR (OHMS)	Rated Current (Operating)	Dimension A	Dimension B	Dimension C
IC0603A102R-10	1000 nH	70 MHz	0.6	25	1.60 mm 0.063 in	0.80 mm 0.031 in	0.80 mm 0.031 in
IC0603A103R-10	10000 nH	17 MHz	2.55	15	1.60 mm 0.063 in	0.80 mm 0.031 in	0.80 mm 0.031 in
IC0603A182R-10	1800 nH	50 MHz	0.95	25	1.60 mm 0.063 in	0.80 mm 0.031 in	0.80 mm 0.031 in
IC0603A681R-10	680 nH	80 MHz	1.7	35	1.60 mm 0.063 in	0.80 mm 0.031 in	0.80 mm 0.031 in
IC0603B181R-10	180 nH	165 MHz	0.6	50	1.60 mm 0.063 in	0.80 mm 0.031 in	0.80 mm 0.031 in
IC0603B470R-10	47 nH	260 MHz	0.3	200	1.60 mm 0.063 in	0.80 mm 0.031 in	0.80 mm 0.031 in
IC0603B820R-10	82 nH	245 MHz	0.3	50	1.60 mm 0.063 in	0.80 mm 0.031 in	0.80 mm 0.031 in
IC0805A103R-10	10000 nH	24 MHz	1.15	15	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in
IC0805A153R-10	15000 nH	19 MHz	0.8	5	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in
IC0805A183R-10	18000 nH	18 MHz	0.9	5	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in
IC0805A223R-10	22000 nH	16 MHz	1.1	5	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in
IC0805A272R-10	2700 nH	45 MHz	0.75	30	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in
IC0805A333R-10	33000 nH	13 MHz	1.25	5	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in
IC0805A472R-10	4700 nH	35 MHz	1	30	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in
IC0805A681R-10	680 nH	105 MHz	0.8	150	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in
IC0805A822R-10	8200 nH	26 MHz	1.1	15	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in
IC0805B101R-10	100 nH	235 MHz	0.3	250	2.00 mm 0.079 in	1.25 mm 0.049 in	0.90 mm 0.035 in
IC0805B102R-10	1000 nH	75 MHz	0.4	50	2.00 mm 0.079 in	1.25 mm 0.049 in	0.90 mm 0.035 in
IC0805B182R-10	1800 nH	55 MHz	0.6	50	2.00 mm 0.079 in	1.25 mm 0.049 in	0.90 mm 0.035 in
IC0805B222R-10	2200 nH	50 MHz	0.65	30	2.00 mm 0.079 in	1.25 mm 0.049 in	0.90 mm 0.035 in
IC0805C470R-10	47 nH	320 MHz	0.2	300	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in

IC0805C680R-10	68 nH	280 MHz	0.2	300	2.00 mm 0.079 in	1.25 mm 0.049 in	1.25 mm 0.049 in
IC1206A103R-10	10000 nH	24 MHz	1	25	3.20 mm 0.126 in	1.60 mm 0.063 in	1.10 mm 0.043 in
IC1206A332R-10	3330 nH	41 MHz	0.7	50	3.20 mm 0.126 in	1.60 mm 0.063 in	1.10 mm 0.043 in
IC1206A333R-10	33000 nH	13 MHz	1.05	5	3.20 mm 0.126 in	1.60 mm 0.063 in	1.10 mm 0.043 in



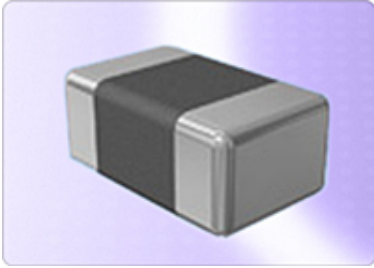
Multilayer Power Chip Inductors

- Small size (L x W: EIA 0805, 0806 and 1008) with max 1.0 mm in thickness
- Lead-free product and support lead-free soldering
- Applications: mainly for DC-DC converters and power modules. Compact electrical instruments like DSCs, DVCs, PDA, DVD, and HDDs, cellular phones

- Operation Temperature: -55°C ~ +125°C
- Rated Current Definition: Temperature rise to 40°C max.

Item #	EIA PKG. Size	Metric PKG. Size	Inductance (μH)	DCR (ohm)	Rated Current Max
CPI0805JR47R-10	0805	2012	0.47	0.10±25 %	1100 mA
CPI0805JR68R-10	0805	2012	0.68	0.12±25 %	1000 mA
CPI0805IR82R-10	0805	2012	0.82	0.14±25 %	900 mA
CPI0805H1R0R-10	0805	2012	1.0	0.16±25 %	800 mA
CPI0805H1R2R-10	0805	2012	1.2	0.16±25 %	800 mA
CPI0805G1R5R-10	0805	2012	1.5	0.22±25 %	700 mA
CPI0805G1R8R-10	0805	2012	1.8	0.22±25 %	700 mA
CPI0805F2R2R-10	0805	2012	2.2	0.25±25 %	600 mA
CPI0805E3R3R-10	0805	2012	3.3	0.22±25 %	500 mA
CPI0805E4R7R-10	0805	2012	4.7	0.30±25 %	500 mA
CPI0806KR47R-10	0806	2016	0.47	0.14±30 %	1500 mA
CPI0806KR68R-10	0806	2016	0.68	0.15±30 %	1500 mA
CPI0806KR82R-10	0806	2016	0.82	0.16±30 %	1500 mA
CPI0806J1R0R-10	0806	2016	1.0	0.16±30 %	1400 mA
CPI0806J1R2R-10	0806	2016	1.2	0.16±30 %	1400 mA
CPI0806J1R5R-10	0806	2016	1.5	0.20±30 %	1200 mA
CPI0806J1R8R-10	0806	2016	1.8	0.20±30 %	1200 mA
CPI0806J2R2R-10	0806	2016	2.2	0.22±30 %	1200 mA
CPI0806J3R3R-10	0806	2016	3.3	0.24±30 %	1100 mA
CPI0806J4R7R-10	0806	2016	4.7	0.30±30 %	1100 mA
CPI1008KR47R-10	1008	2520	0.47	0.07±25 %	1800 mA
CPI1008KR68R-10	1008	2520	0.68	0.09±25 %	1700 mA
CPI1008KR82R-10	1008	2520	0.82	0.10±25 %	1700 mA
CPI1008K1R0R-10	1008	2520	1.0	0.11±25 %	1600 mA
CPI1008K1R2R-10	1008	2520	1.2	0.11±25 %	1600 mA

Item # DI2220V301R-10, Chip Inductor - High Current Power Inductor



Chip Inductor - High Current Power Inductor

SPECIFICATIONS

Inductance L ($\pm 10\%$) at 25 MHz	300 nH
Min. Q	0
Self-Resonant Frequency	0 MHz
MAX. DCR (OHMS)	0.01
Rated Current (Continuous)	8000
Dimension A	5.59 mm 0.220 in
Dimension B	5.08 mm 0.200 in
Dimension C	3.61 mm 0.142 in
Dimension D	0.76 mm 0.030 in
Product Series Type	Power Inductor
Part Size Code	2220
Packaging	Tape & Reel Standard SMT Package
Additional Description	Lead Free Standard Catalog Part