



Features:

- Small footprint • Economical • Rugged construction • Lead Free • Monolithic

Applications:

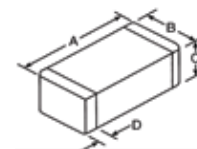
- RF and wireless communication • Information technology equipment including; computers, telecommunications, radar detectors, automotive electronics, cellular phones, pagers, audio equipment, PDAs, keyless remote systems and low-voltage power supply modules • EMI Filters

Specifications:

- Inductance tolerance is rated at $\pm 10\%$ of the specified frequency • Rated operating current is based on the maximum sustained current applied while maintaining the specified minimum inductance (L).

STEWART PART NUMBERING SYSTEM EXAMPLE

IC	0603	A	102	R	-10
Product Series Code	Part Size Code	Rated Current Code	Inductance Value Code	Packaging Code	Additional Description



FERRITE CHIP INDUCTORS							FERRITE CHIP INDUCTORS						
Part Number	L (nH) $\pm 10\%$	Q (min)	Test Freq. (MHz)	Self-Resonant Frequency (MHz)	DCR MAX (Ω)	Rated Operating Current (mA)	Part Number	L (nH) $\pm 10\%$	Q (min)	Test Freq. (MHz)	Self-Resonant Frequency (MHz)	DCR MAX (Ω)	Rated Operating Current (mA)
IC0603A102R-10	1,000	30	10	70	0.6	25	IC0805A822R-10	8,200	45	4	26	1.10	15
IC0603A103R-10	10,000	30	2	17	2.55	15	IC0805B101R-10	100	20	25	235	0.30	250
IC0603A182R-10	1,800	30	10	50	0.95	25	IC0805B102R-10	1,000	45	10	75	0.40	50
IC0603A681R-10	680	15	25	80	1.70	35	IC0805B182R-10	1,800	45	10	55	0.60	50
IC0603B181R-10	180	15	25	165	0.60	50	IC0805B222R-10	2,200	45	10	50	0.65	30
IC0603B470R-10	47	10	50	260	0.30	200	IC0805C470R-10	47	15	50	320	0.20	300
IC0603B820R-10	82	10	50	245	0.3	200	IC0805C680R-10	68	15	50	280	0.2	300
IC0805A103R-10	10,000	45	2	24	1.15	15	IC1206A103R-10	10,000	50	2	24	1.00	25
IC0805A153R-10	15,000	30	1	19	0.80	5	IC1206A332R-10	3,330	45	10	41	0.70	50
IC0805A183R-10	18,000	30	1	18	0.90	5	IC1206A333R-10	33,000	35	0.4	13	1.05	5
IC0805A223R-10	22,000	30	1	16	1.10	5	IC1206A472R-10	4,700	45	10	35	0.90	50
IC0805A272R-10	2,700	45	10	45	0.75	30	IC1206B153R-10	15,000	35	1	19	0.70	5
IC0805A333R-10	33,000	30	0.4	13	1.25	5	IC1206B183R-10	18,000	35	1	21	0.70	5
IC0805A472R-10	4,700	45	10	35	1.00	30	IC1206B331R-10	330	20	25	145	0.50	250
IC0805A681R-10	680	25	25	105	0.80	150	IC1206B821R-10	820	25	25	100	0.90	150