

MOX-0603CS

Ceramic Surface Mount Wire Wound Chip Inductors

MoxiE's MOX-0603CS series of surface mount chip inductors are widely used in PDA's, notebooks, LCD televisions and cable modems. The wire wound design features a higher self resonate frequency and a better Q factor that provides stable performance. A precision tolerance of 2% is available.

Features:

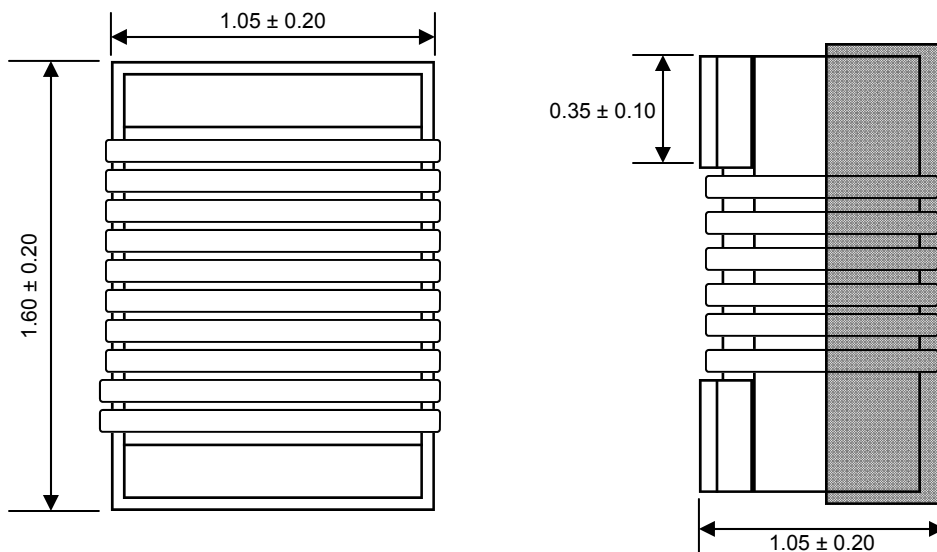
- Low cost.
- Operating temperature: -40°C to +125°C.
- Excellent solderability & resistance to soldering heat.
- RoHS compliant.
- Wide range of inductance values to accommodate various designs.



NOTES

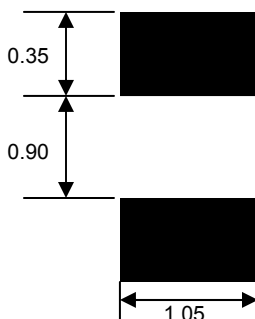


MECHANICAL DIMENSIONS





LANDING PATTERN



ELECTRICAL SPECIFICATIONS

MoxiE Part Number	Inductance (nH)	Tolerance	Q (900 MHz)		Test Frequency	SRF Minimum (MHz)	RDC Max. (Ω)	IDC Max. (mA)
			Minimum	Typical				
MOX-0603CS-2N0	2.0	B,S	16	31	250	6900	0.08	700
MOX-0603CS-3N9	3.9	B,S	22	51	250	6900	0.08	700
MOX-0603CS-4N7	4.7	B,S	20	47	250	5800	0.11	700
MOX-0603CS-6N8	6.8	B,J,K	30	63	250	5800	0.11	700
MOX-0603CS-8N2	8.2	B,J,K	30	72	250	4600	0.10	700
MOX-0603CS-10N	10	G,J,K	30	66	250	4800	0.13	700
MOX-0603CS-12N	12	G,J,K	35	72	250	4000	0.13	700
MOX-0603CS-15N	15	G,J,K	35	68	250	4000	0.17	700
MOX-0603CS-18N	18	G,J,K	38	77	250	3100	0.17	700
MOX-0603CS-22N	22	G,J,K	38	70	250	3000	0.22	700
MOX-0603CS-27N	27	G,J,K	40	75	250	2800	0.22	600
MOX-0603CS-33N	33	G,J,K	43	78	250	2300	0.22	600
MOX-0603CS-39N	39	G,J,K	43	66	250	2200	0.25	600
MOX-0603CS-47N	47	G,J,K	40	65	200	2000	0.28	600
MOX-0603CS-56N	56	G,J,K	40	66	200	1900	0.31	600
MOX-0603CS-68N	68	G,J,K	40	57	200	1700	0.34	600
MOX-0603CS-72N	72	G,J,K	35	60	150	1700	0.49	400
MOX-0603CS-82N	82	G,J,K	35	58	150	1700	0.54	400
MOX-0603CS-R10	100	G,J,K	35	51	150	1400	0.63	400
MOX-0603CS-R12	120	G,J,K	35	45	150	1300	0.65	300
MOX-0603CS-R15	150	G,J,K	35	33	150	1000	0.92	280
MOX-0603CS-R18	180	G,J,K	30	26	100	1000	1.25	240
MOX-0603CS-R22	220	G,J,K	30	23	100	1000	1.70	200
MOX-0603CS-R27	270	G,J,K	30	10	100	1000	1.80	170



MOX-0603CS ENGINEERING NOTES

- Measuring Frequency (L) 100 kHz
- Available Tolerances: B = ± 0.2 nH, S = ± 0.3 nH, G = $\pm 2\%$, J = 5%, K = $\pm 10\%$
- Q is measured on a HP-4287A RF LCR meter with a HP-16193 fixture attached.
- RoHS Compliant.