

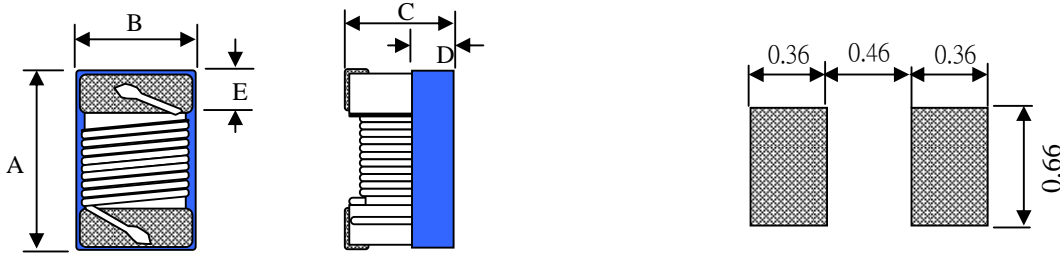
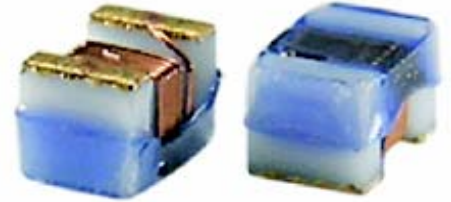


CM0402 Series Chip Inductor



Features:

- Can be used for high frequency bands up to GHz and stable inductance at high frequency.
- The high self-resonant frequency realizes high Q value.
- Resin-coated surface enables excellent mounting.
- Low DC resistance design is ideal for low loss, high output and low power consumption.



Mechanical Specifications (Unit: mm)				
A (Max.)	B (Max.)	C (Max.)	D (Max.)	E ± 0.1
1.19	0.64	0.66	(0.25)	0.23

Electrical Specifications										
Part Number	Inductance at 250MHz (nH)	*Inductance Tolerance	Q Min.	L typ. at 900MHz	Q typ. at 900MHz	L typ. at 1.7GHz	Q typ. at 1.7GHz	SRF Min. (GHz)	DCR Max. (Ω)	Idc Max. (mA)
CM0402-1N0U	1	B,S	16	1.07	77	1.02	69	7.0	0.054	1360
CM0402-2N0U	2	B,S	16	1.93	54	1.93	75	7.0	0.084	1040
CM0402-2N2U	2.2	B,S	19	2.19	59	2.23	100	7.0	0.084	960
CM0402-3N3U	3.3	B,S	19	3.10	65	3.12	87	7.0	0.079	840
CM0402-3N9U	3.9	B,S	19	3.89	50	4.00	75	6.0	0.079	840
CM0402-5N2U	5.2	B,J,K	20	5.15	56	5.25	82	4.8	0.120	640
CM0402-5N6U	5.6	B,J,K	20	5.16	54	5.28	81	4.7	0.099	760
CM0402-6N8U	6.8	B,J,K	20	6.56	63	6.93	78	4.8	0.099	680
CM0402-8N2U	8.2	B,J,K	21	8.50	57	8.85	84	4.4	0.136	680
CM0402-10NU	10	G,J,K	21	9.80	50	10.10	67	3.9	0.240	480
CM0402-12NU	12	G,J,K	24	11.9	53	12.70	71	3.6	0.168	640
CM0402-15NU	15	G,J,K	24	14.6	55	15.50	77	3.3	0.204	560
CM0402-18NU	18	G,J,K	24	18.3	57	20.28	62	3.1	0.276	420
CM0402-22NU	22	G,J,K	24	23.2	53	26.75	53	2.8	0.360	400
CM0402-27NU	27	G,J,K	24	28.7	49	33.50	63	2.5	0.360	400
CM0402-33NU	33	G,J,K	24	34.9	31	41.74	32	2.4	0.450	400
CM0402-39NU	39	G,J,K	25	41.7	47	50.23	45	2.1	0.660	200
CM0402-43NU	43	G,J,K	25	45.8	46	61.55	34	2.0	0.744	175
CM0402-47NU	47	G,J,K	20	50.0	38	-	-	2.1	0.792	175
CM0402-56NU	56	G,J,K	22	62.8	42	-	-	1.8	0.780	175
CM0402-68NU	68	G,J,K	22	78.19	36	-	-	1.6	0.912	150

*B = ±0.2 nH, S = ±0.3 nH, G = 2%, J = 5%, K = 10%



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ELECTRICAL CHARACTERISTICS

