



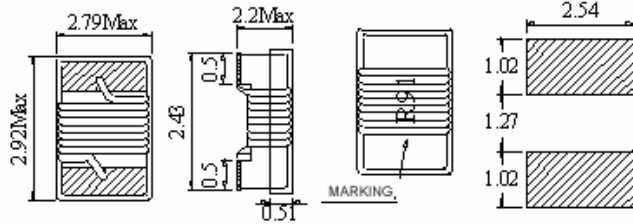
# CM1008 Series SMD Chip Inductor



## Features:

- Ceramic base core material for high frequency application.
- 1008 footprint, 2.2 mm Max. height.
- Custom value and tolerance are available.
- Tape & Reel quantity on 7" reel: 2,000 pcs.

## Mechanical Dimensions (Unit: mm)



Electrical Specifications						
Part Number	Inductance (nH)	Tolerance	Q Min.	S.R.F Min. (MHz)	DCR Max. (Ω)	I <sub>max</sub> (mA)
CM1008-10NU	10 @ 50MHz	J,K,M	50 @ 500MHz	4100	0.08	1000
CM1008-12NU	12 @ 50MHz	J,K,M	50 @ 500MHz	3300	0.09	1000
CM1008-15NU	15 @ 50MHz	J,K,M	40 @ 500MHz	2500	0.10	500
CM1008-18NU	18 @ 50MHz	J,K,M	50 @ 350MHz	2500	0.11	1000
CM1008-22NU	22 @ 50MHz	J,K,M	55 @ 350MHz	2400	0.12	1000
CM1008-27NU	27 @ 50MHz	J,K,M	55 @ 350MHz	1600	0.13	1000
CM1008-33NU	33 @ 50MHz	G,J,K,M	60 @ 350MHz	1600	0.14	1000
CM1008-39NU	39 @ 50MHz	G,J,K,M	60 @ 350MHz	1500	0.15	1000
CM1008-47NU	47 @ 50MHz	G,J,K,M	65 @ 350MHz	1500	0.16	1000
CM1008-56NU	56 @ 50MHz	G,J,K	65 @ 350MHz	1300	0.18	1000
CM1008-68NU	68 @ 50MHz	G,J,K	65 @ 350MHz	1300	0.20	1000
CM1008-82NU	82 @ 50MHz	G,J,K	60 @ 350MHz	1000	0.22	1000
CM1008-R10U	100 @ 25MHz	G,J,K	60 @ 350MHz	1000	0.56	650
CM1008-R12U	120 @ 25MHz	G,J,K	60 @ 350MHz	950	0.63	650
CM1008-R15U	150 @ 25MHz	G,J,K	45 @ 100MHz	850	0.70	580
CM1008-R18U	180 @ 25MHz	G,J,K	45 @ 100MHz	750	0.77	620
CM1008-R22U	220 @ 25MHz	G,J,K	45 @ 100MHz	700	0.84	500
CM1008-R27U	270 @ 25MHz	G,J,K	45 @ 100MHz	600	0.91	500
CM1008-R33U	330 @ 25MHz	G,J,K	45 @ 100MHz	570	1.05	450
CM1008-R39U	390 @ 25MHz	G,J,K	45 @ 100MHz	500	1.12	470
CM1008-R47U	470 @ 25MHz	G,J,K	45 @ 100MHz	450	1.19	470
CM1008-R56U	560 @ 25MHz	G,J,K	45 @ 100MHz	415	1.33	400
CM1008-R62U	620 @ 25MHz	G,J,K	45 @ 100MHz	375	1.40	400
CM1008-R68U	680 @ 25MHz	G,J,K	45 @ 100MHz	375	1.47	400
CM1008-R75U	750 @ 25MHz	G,J,K	45 @ 100MHz	360	1.54	360
CM1008-R82U	820 @ 25MHz	G,J,K	45 @ 100MHz	350	1.61	360
CM1008-R91U	910 @ 25MHz	G,J,K	35 @ 50MHz	320	1.68	330
CM1008-1R0U	1000 @ 25MHz	G,J,K	35 @ 50MHz	290	1.75	330
CM1008-1R2U	1200 @ 7.9MHz	G,J,K	35 @ 50MHz	250	2.00	280
CM1008-1R5U	1500 @ 7.9MHz	G,J,K	28 @ 50MHz	200	2.30	280
CM1008-1R8U	1800 @ 7.9MHz	G,J,K	28 @ 50MHz	160	2.60	270
CM1008-2R2U	2200 @ 7.9MHz	G,J,K	22 @ 50MHz	160	2.80	250
CM1008-2R7U	2700 @ 7.9MHz	G,J,K	22 @ 25MHz	140	4.78	250
CM1008-3R3U	3300 @ 7.9MHz	G,J,K	22 @ 25MHz	110	5.26	250
CM1008-3R9U	3900 @ 7.9MHz	G,J,K	20 @ 25MHz	100	5.75	230
CM1008-4R7U	4700 @ 7.9MHz	G,J,K	18 @ 25MHz	90	6.30	230

Tolerance Code: G = 2%, J = 5%, K = 10%, M = 20%.

US 1 914 347 2474 • Shenzhen 86 755 8418 6263 • Shanghai 86 21 5424 5141 • Hong Kong 852 9688 9767 • Taiwan 886 972 022 388

<http://www.inter-technical.com>

Rev. B, October 31, 2007