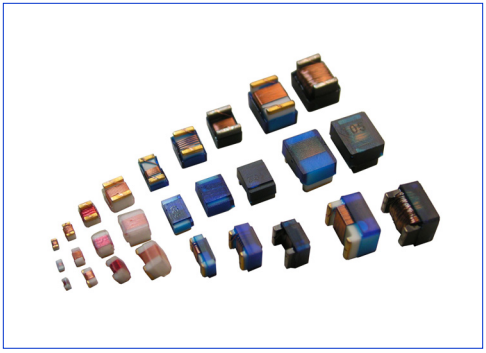
HIGH FREQUENCY CERAMIC CHIP INDUCTOR

R7X0805CM SERIES

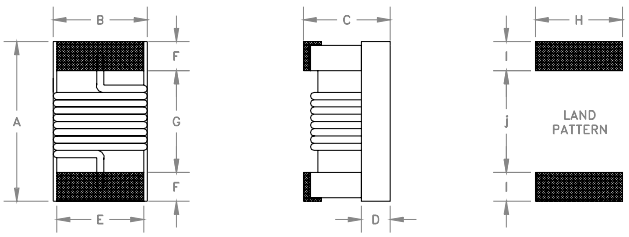


- RoHS Compliant Product
- Operating Temperature: -40°C to +105°C
- Ordering Code: R7X0805CM-XXX(F, G, J, K, M Tolerance)
- Inductance Tolerance: F = ±1%, G = ±2%, J = ±5%, K = ±10%, M = ±20%
- Package: Tape and Reel is the standard

ELECTRICAL SPECIFICATION @ 25°C

Part Number R7X0805CM-	INDUCTANCE (nH)	% Tol Avail	L TEST FREQ (MHz)	Q FACTOR MIN	Q TEST FREQ (MHz)	R_{DC} MAX (Ω)	SRF MIN (MHz)	I_{DC} MAX (mA)
2N2	2.2	K,M	250	40	1500	0.10	>6000	600
3N3	3.3	J,K,M	250	30	1500	0.08	>6000	600
6N8	6.8	J,K,M	250	50	1000	0.11	5000	600
8N2	8.2	J,K,M	250	50	1000	0.19	4800	600
12N	12	G,J,K,M	250	50	500	0.15	4100	600
15N	15	J,K,M	250	50	500	0.17	2900	600
18N	18	G,J,K,M	250	50	500	0.20	3300	600
22N	22	G,J,K,M	250	55	500	0.22	2600	500
27N	27	G,J,K,M	250	60	500	0.25	2500	500
33N	33	F,G,J,K,M	250	60	500	0.27	2200	500
39N	39	F,G,J,K,M	250	60	500	0.29	2100	500
47N	47	F,G,J,K,M	200	60	500	0.31	1750	500
56N	56	F,G,J,K,M	200	60	500	0.32	1650	500
68N	68	F,G,J,K,M	200	60	500	0.38	1500	500
82N	82	F,G,J,K,M	150	60	500	0.42	1400	400
101N	100	F,G,J,K,M	150	60	500	0.46	1200	400
121N	120	F,G,J,K,M	150	50	250	0.51	1200	400
151N	150	F,G,J,K,M	100	50	250	0.56	1000	400
181N	180	F,G,J,K,M	100	50	250	0.64	950	400
221N	220	G,J,K,M	100	45	250	0.70	850	400
271N	270	G,J,K,M	100	40	250	1.00	680	350
331N	330	G,J,K,M	100	40	250	1.40	660	310
391N	390	G,J,K,M	100	35	250	1.50	560	290
471N	470	J,K,M	50	33	100	1.72	430	250
561N	560	J,K,M	25	23	50	1.90	350	230
621N	620	J,K,M	25	23	50	1.95	330	200
681N	680	J,K,M	25	23	50	2.05	300	190
751N	750	J,K,M	25	23	50	2.10	280	180
821N	820	J,K,M	25	23	50	2.30	250	180
911N	910	J,K,M	25	22	50	2.40	230	160
102N	1000	J,K,M	25	20	50	2.50	200	150

Mechanical



A Max	B Max	C Max	D Max	E
0.087	0.063	0.052	0.024	0.050
2,20	1,60	1,30	0,60	1,27

F	G	H	I	J
0.020	0.041	0.065	0.025	0.032
0,50	1,03	1,65	0,64	0,80

Schematic

Dimensions
Unless otherwise specified, all tolerances are:
inch: .XX : ± 0.015 .XXX : ±0.004
mm: X,X : ± 0,38 X,XX : ±0,10

Product performance is limited to specified parameter. Data is subject to change without prior notice.

R7X0805CM-XXX
0604JW

2463 208th, Ste. 205
Torrance, CA 90501
Phone: (310)533-1455
Fax: (310)533-1853
http://www.mpsind.com
Email: sales@mpsind.com