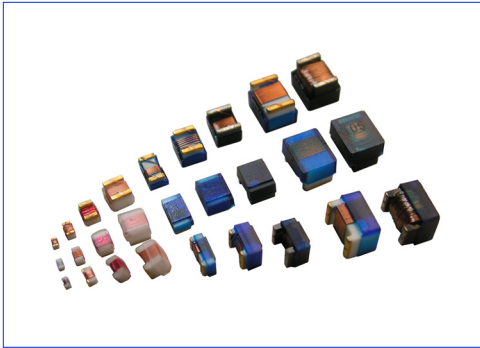


# HIGH FREQUENCY CERAMIC CHIP INDUCTOR



## R7X0402CM SERIES



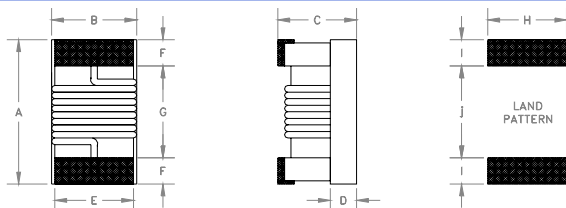
- RoHS Compliant Product
- Operating Temperature: -40°C to +105°C
- Ordering Code: R7X0402CM-XXX(K, M, J Tolerance)
- Inductance Tolerance: J = ±5%, K = ±10%, M = ±20%
- Package: Tape and Reel is the standard

### ELECTRICAL SPECIFICATION @ 25°C

Part Number	INDUCTANCE	% Tol	L TEST	Q FACTOR	Q TEST	R <sub>dc</sub>	SRF	I <sub>dc</sub>
R7X0402CM-	(nH)	Avail	FREQ (MHz)	MIN	FREQ (MHz)	MAX (Ω)	MIN (MHz)	MAX (mA)
1N0	1.0	K,M	250	16	250	0.045	>6000	1360
2N0	2.0	K,M	250	16	250	0.070	>6000	1040
2N2	2.2	K,M	250	19	250	0.070	>6000	960
3N3	3.3	K,M	250	19	250	0.066	6000	840
3N6	3.6	K,M	250	19	250	0.066	6000	840
3N9	3.9	J,K,M	250	19	250	0.066	5800	840
5N1	5.1	J,K,M	250	20	250	0.083	5800	800
5N6	5.6	J,K,M	250	20	250	0.083	5800	760
6N2	6.2	J,K,M	250	20	250	0.083	5800	760
6N8	6.8	J,K,M	250	22	250	0.104	5800	680
7N5	7.5	J,K,M	250	22	250	0.104	5800	680
8N2	8.2	J,K,M	250	22	250	0.104	4400	680
9N0	9	J,K,M	250	22	250	0.104	4160	680
10N	10	J,K,M	250	21	250	0.195	3900	480
11N	11	J,K,M	250	24	250	0.120	3680	640
12N	12	J,K,M	250	24	250	0.120	3600	640
15N	15	J,K,M	250	24	250	0.172	3280	560
19N	19	J,K,M	250	24	250	0.202	3040	480
23N	23	J,K,M	250	24	250	0.214	2720	400
27N	27	J,K,M	250	24	250	0.298	2480	400
36N	36	J,K,M	250	24	250	0.403	2320	320
40N	40	J,K,M	250	24	250	0.438	2240	320
47N	47	J,K,M	250	20	250	0.830	2100	150
51N	51	J,K,M	250	25	250	0.820	1750	100
56N	56	J,K,M	250	25	250	0.970	1760	100
68N	68	J,K,M	250	25	250	1.300	1620	100
82N	82	J,K,M	250	25	250	1.550	1620	100
101N	100	J,K,M	250	26	250	2.600	1620	100
121N	120	J,K,M	250	25	250	2.700	1520	90
151N	150	J,K,M	250	25	250	2.900	1200	80

### Mechanical

### Schematic



#### Dimensions

Unless otherwise specified, all tolerances are:

inch: .XX : ± 0.015 .XXX : ±0.004

mm: X,X : ± 0,38 X,XX : ±0,10

A Max	B Max	C Max	D Ref	E
0.047	0.025	0.026	0.01	0.02
1,19	0,64	0,66	0,25	0,51

F	G	H	I	J
0.009	0.022	0.026	0.014	0.018
0,23	0,56	0,66	0,36	0,46



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

R7X0402CM-XXX  
0603JW

2463 208th, Ste. 205  
Torrance, CA 90501

Phone: (310)533-1455  
Fax: (310)533-1853

<http://www.mpsind.com>  
Email: [sales@mpsind.com](mailto:sales@mpsind.com)