

ENCAPSULATION MOLDED CHIP INDUCTOR



R7X1008M SERIES

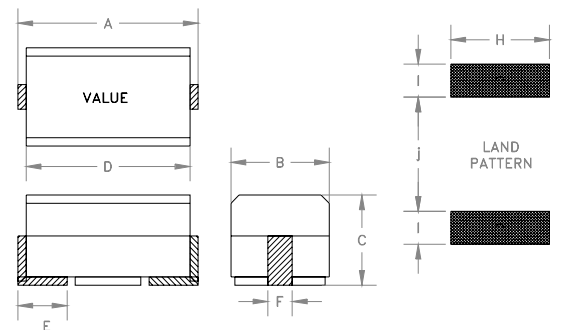


- RoHS Compliant Product
- Ordering Code: R7X1008M-XXX (J, K Tolerance)
- Inductance Tolerance: J = $\pm 5\%$, K = $\pm 10\%$
(K is standard tolerance)
- Package: Tape and Reel is the standard, 2000 pcs per reel
- Operating Temperature: -40°C to $+85^{\circ}\text{C}$

ELECTRICAL SPECIFICATION @ 25°C

Part Number	L (μH)	Q Min	L.Q Test Freq. (MHz)	SRF Min (MHz)	R_{DC} Max (Ω)	I_{DC} Max
R22	0.22	25	25.2	230	0.70	190
R27	0.27	25	25.2	210	0.75	180
R33	0.33	25	25.2	190	0.85	170
R39	0.39	25	25.2	175	0.95	160
R47	0.47	25	25.2	160	1.00	155
R56	0.56	25	25.2	150	1.10	150
R68	0.68	25	25.2	135	1.25	140
R82	0.82	25	25.2	125	1.40	130
1R0	1.00	25	7.96	115	0.65	195
1R2	1.2	25	7.96	100	0.75	180
1R5	1.5	25	7.96	90	0.85	170
1R8	1.8	25	7.96	85	0.95	160
2R2	2.2	25	7.96	80	1.05	155
2R7	2.7	25	7.96	75	1.20	145
3R3	3.3	25	7.96	65	1.30	135
3R9	3.9	25	7.96	60	1.40	130
4R7	4.7	25	7.96	55	1.55	125
5R6	5.6	25	7.96	50	1.75	120
6R8	6.8	25	7.96	45	1.95	115
8R2	8.2	25	7.96	40	2.20	105
100	10	25	2.52	32	3.50	80
120	12	25	2.52	30	3.80	75
150	15	25	2.52	28	4.40	70
180	18	25	2.52	25	5.00	65
220	22	25	2.52	22	5.80	60
270	27	20	2.52	21	6.30	115
330	33	20	2.52	20	7.10	110
390	39	20	2.52	18	9.50	90
470	47	20	2.52	17	11.0	80
560	56	20	2.52	16	12.1	75
680	68	20	2.52	15	16.6	70
820	82	20	2.52	13	19.0	65
101	100	15	0.79	12	21.0	60

Mechanical



A	B	C	D	E
0.10	0.08	0.07	0.09	0.020
2.5	2.0	1.8	2.2	0.50

F	H	I	J
0.048	0.059	0.025	0.060
1.20	1.50	0.64	1.53

Schematic



Dimensions

Unless otherwise specified, all tolerances are:
 inch: .XX : ± 0.008 .XXX : ± 0.004
 mm: X,X : $\pm 0,20$ X,XX : $\pm 0,10$

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

R7X1008M-XXX
0606JW

2463 208th, Ste. 205
Torrance, CA 90501

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

<http://www.mpsind.com>
Email: sales@mpsind.com