

# ENCAPSULATION MOLDED CHIP INDUCTOR



## R7X1210M SERIES

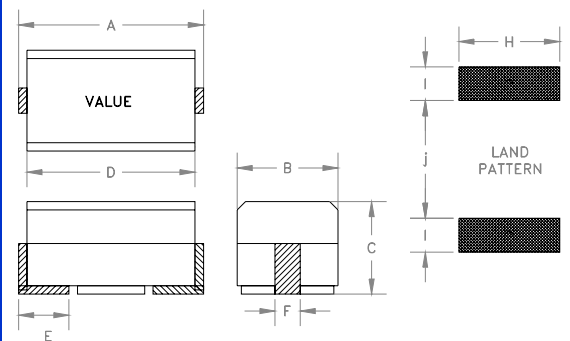


- RoHS Compliant Product
- Ordering Code: R7X1210M-XXX( J, K Tolerance)
- Inductance Tolerance: J =  $\pm 5\%$ , K =  $\pm 10\%$   
(K is standard tolerance)
- Package: Tape and Reel is the standard, 2000 pcs per reel
- Operating Temperature:  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$

### ELECTRICAL SPECIFICATION @ 25°C

Part Number	L ( $\mu\text{H}$ )	Q Min	L.Q Test Freq. (MHz)	SRF Min (MHz)	$R_{\text{DC}}$ Max ( $\Omega$ )	$I_{\text{DC}}$ Max (mA)
R7X1210M-						
R12	0.12	30	25.2	500	0.22	450
R15	0.15	30	25.2	450	0.25	450
R18	0.18	30	25.2	400	0.28	450
R22	0.22	30	25.2	350	0.32	450
R27	0.27	30	25.2	320	0.36	450
R33	0.33	30	25.2	300	0.40	450
R39	0.39	30	25.2	250	0.45	450
R47	0.47	30	25.2	220	0.50	450
R56	0.56	30	25.2	180	0.55	450
R68	0.68	30	25.2	160	0.60	450
R82	0.82	30	25.2	140	0.65	450
1R0	1.00	30	7.96	120	0.70	400
1R2	1.2	30	7.96	100	0.75	390
1R5	1.5	30	7.96	85	0.85	370
1R8	1.8	30	7.96	80	0.90	350
2R2	2.2	30	7.96	75	1.00	320
2R7	2.7	30	7.96	70	1.10	290
3R3	3.3	30	7.96	60	1.20	260
3R9	3.9	30	7.96	55	1.30	250
4R7	4.7	30	7.96	50	1.50	220
5R6	5.6	30	7.96	47	1.60	200
6R8	6.8	30	7.96	43	1.80	200
8R2	8.2	30	7.96	40	2.00	180
100	10	30	2.52	36	2.10	170
120	12	30	2.52	33	2.50	150
150	15	30	2.52	28	2.80	140
180	18	30	2.52	25	3.30	130
220	22	30	2.52	23	3.70	120
270	27	30	2.52	18	5.00	110
330	33	30	2.52	17	2.60	80
390	39	30	2.52	16	6.40	70
470	47	30	2.52	15	7.00	65
560	56	30	2.52	13	8.00	60
680	68	30	2.52	12	9.00	55
820	82	30	2.52	11	10.0	50
101	100	20	0.79	10	11.0	45
121	120	20	0.79	10	12.0	40
151	150	20	0.79	8	15.0	70
181	180	20	0.79	7	17.0	65
221	220	20	0.79	7	21.0	60

### Mechanical



A	B	C	D	E
0.126 $\pm$ 0.012	0.10	0.09	0.12	0.030
3.20 $\pm$ 0.30	2.5	2.2	2.9	0.75

F	H	I	J
0.040	0.056	0.036	0.080
1.00	1.40	0.90	2.00

### Schematic



#### Dimensions

Unless otherwise specified, all tolerances are:  
 inch: .XX :  $\pm 0.008$  .XXX :  $\pm 0.004$   
 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.

R7X1210M-XXX  
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