

Product Specification

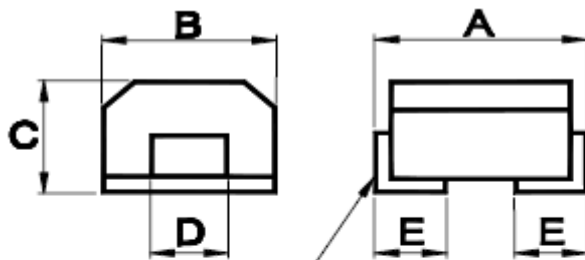


This product is certified to comply with the RoHS Directive 2002/95/EC.

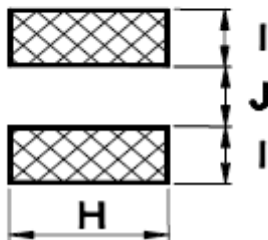
MF322522 Series Moulded Inductor



- Industry standard sizes
- High SRF
- Good Q
- Wide inductance range
- Tight tolerance



Terminal Wraparound



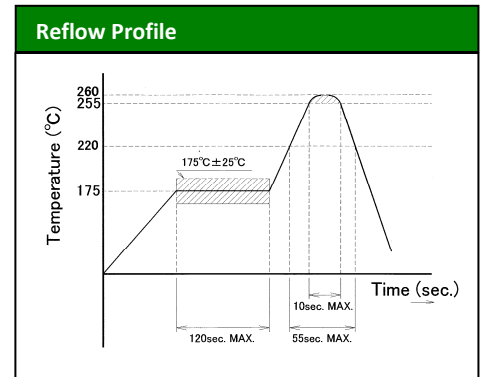
Specification	
Inductance range	180nH- 220uH
SRF	to 400MHz
Q	to 30 @ 25.2MHz
Temp. range	-40 to +125°C
DCR	From 0.28Ω
Current	to 450mA
Storage temp.	-40 to +125°C

*' suffix denotes RoHS Compliant

Standard packing: 2k per 7" reel (T/R)
Smaller quantities: Bulk

Size	A max.	B max.	C max.	D nom.	E nom.	H nom.	I nom.	J nom.
MF322522	3.5	2.8	2.5	1.6	0.8	2.0	1.2	1.6

Ordering Code Guide			
Series Code	Tolerance	Value	RoHS
MF322522	K = ±10%	R10 = 100nH	*
	M = ±20%	1R0 = 1uH	
		100 = 10uH	
		101 = 100uH	



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Value	Inductance (uH)	Tolerance	Q min.	Test Freq. (MHz)	SRF (MHZ) min.	DCR (Ω) max.	IDC (mA) max.
R18	0.18	±20%	30	25.2	400	0.28	450
R22	0.22	±20%	30	25.2	350	0.32	450
R27	0.27	±20%	30	25.2	320	0.36	450
R33	0.33	±20%	30	25.2	300	0.40	450
R39	0.39	±20%	30	25.2	250	0.45	450
R47	0.47	±20%	30	25.2	220	0.50	450
R56	0.56	±20%	30	25.2	180	0.55	450
R68	0.68	±20%	30	25.2	160	0.60	450
R82	0.82	±20%	30	25.2	140	0.65	450
1R0	1.0	±10%	30	7.96	120	0.70	400
1R2	1.2	±10%	30	7.96	100	0.75	390
1R5	1.5	±10%	30	7.96	85	0.85	370
1R8	1.8	±10%	30	7.96	80	0.90	350
2R2	2.2	±10%	30	7.96	75	1.00	320
2R7	2.7	±10%	30	7.96	70	1.10	290
3R3	3.3	±10%	30	7.96	60	1.20	260
3R9	3.9	±10%	30	7.96	55	1.30	250
4R7	4.7	±10%	30	7.96	50	1.50	220
5R6	5.6	±10%	30	7.96	45	1.60	200
6R8	6.8	±10%	30	7.96	40	1.80	180
8R2	8.2	±10%	30	7.96	35	2.00	170
100	10	±10%	30	2.52	30	2.10	150
120	12	±10%	30	2.52	20	2.50	140
150	15	±10%	30	2.52	20	2.80	130
180	18	±10%	30	2.52	20	3.30	120
220	22	±10%	30	2.52	20	3.70	110
270	27	±10%	30	2.52	20	5.00	80
330	33	±10%	30	2.52	17	5.60	70
390	39	±10%	30	2.52	16	6.40	65
470	47	±10%	30	2.52	15	7.00	60
560	56	±10%	30	2.52	13	8.00	55
680	68	±10%	30	2.52	12	9.00	50
820	82	±10%	30	2.52	11	10.00	45
101	100	±10%	20	0.796	10	10.00	40
121	120	±10%	20	0.796	10	11.00	70
151	150	±10%	20	0.796	8	15.00	65
181	180	±10%	20	0.796	7	17.00	60
221	220	±10%	20	0.796	7	21.00	50

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