

# Product Specification

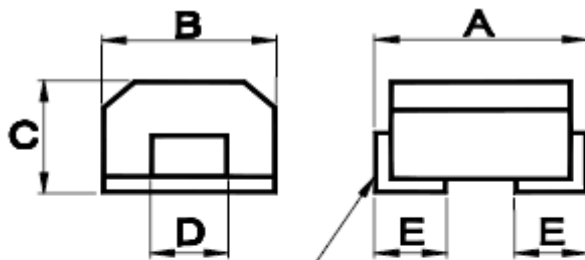


This product is certified to comply with the RoHS Directive 2002/95/EC.

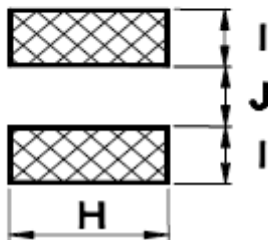
## MF453232 Series Moulded Inductor



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



Terminal Wraparound



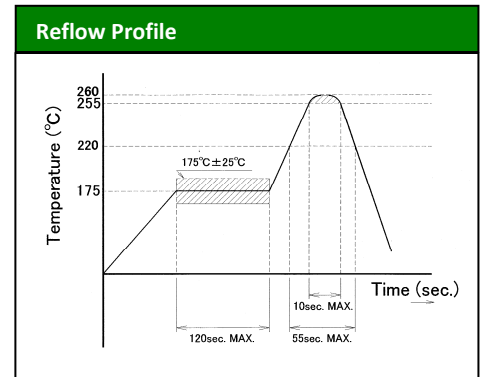
Specification	
Inductance range	180nH- 820uH
SRF	to 220MHz
Q	to 50 @ 7.96MHz
Temp. range	-40 to +125°C
DCR	From 0.24Ω
Current	to 700mA
Storage temp.	-40 to +125°C

\*' suffix denotes RoHS Compliant

Standard packing: 500 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.
MF453232	4.8	3.5	3.5	1.8	1.1	2.8	1.5	3.0

Ordering Code Guide			
Series Code	Tolerance	Value	RoHS
MF453232	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	220	0.24	700
R22	0.22	±20%	30	25.2	200	0.25	665
R27	0.27	±20%	30	25.2	180	0.26	635
R33	0.33	±20%	30	25.2	165	0.28	605
R39	0.39	±20%	30	25.2	150	0.30	575
R47	0.47	±20%	30	25.2	145	0.32	545
R56	0.56	±20%	30	25.2	140	0.36	520
R68	0.68	±20%	30	25.2	135	0.40	500
R82	0.82	±20%	30	25.2	130	0.45	475
1R0	1.0	±10%	50	7.96	100	0.50	450
1R2	1.2	±10%	50	7.96	80	0.55	430
1R5	1.5	±10%	50	7.96	70	0.60	410
1R8	1.8	±10%	50	7.96	60	0.65	390
2R2	2.2	±10%	50	7.96	55	0.70	380
2R7	2.7	±10%	50	7.96	50	0.75	370
3R3	3.3	±10%	50	7.96	45	0.80	355
3R9	3.9	±10%	50	7.96	40	0.90	330
4R7	4.7	±10%	50	7.96	35	1.00	315
5R6	5.6	±10%	50	7.96	33	1.10	300
6R8	6.8	±10%	50	7.96	27	1.20	285
8R2	8.2	±10%	50	7.96	25	1.40	270
100	10	±10%	50	2.52	20	1.60	250
120	12	±10%	50	2.52	18	2.00	225
150	15	±10%	50	2.52	17	2.50	200
180	18	±10%	50	2.52	15	2.80	190
220	22	±10%	50	2.52	13	3.20	180
270	27	±10%	50	2.52	12	3.60	170
330	33	±10%	50	2.52	11	4.00	160
390	39	±10%	50	2.52	10	4.50	150
470	47	±10%	50	2.52	10	5.00	140
560	56	±10%	50	2.52	9	5.50	135
680	68	±10%	50	2.52	9	6.00	130
820	82	±10%	50	2.52	8	7.00	120
101	100	±10%	40	0.796	8	8.00	110
121	120	±10%	40	0.796	6	8.00	110
151	150	±10%	40	0.796	5	9.00	105
181	180	±10%	40	0.796	5	9.50	102
221	220	±10%	40	0.796	4	10.0	100
271	270	±10%	30	0.796	4	15.0	92
331	330	±10%	30	0.796	3.5	15.0	85
391	390	±10%	30	0.796	3	18.0	80
471	470	±10%	30	0.796	3	26.0	62
561	560	±10%	30	0.796	3	30.0	50
681	680	±10%	30	0.796	3	30.0	50
821	820	±10%	30	0.796	2.5	43.0	30

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