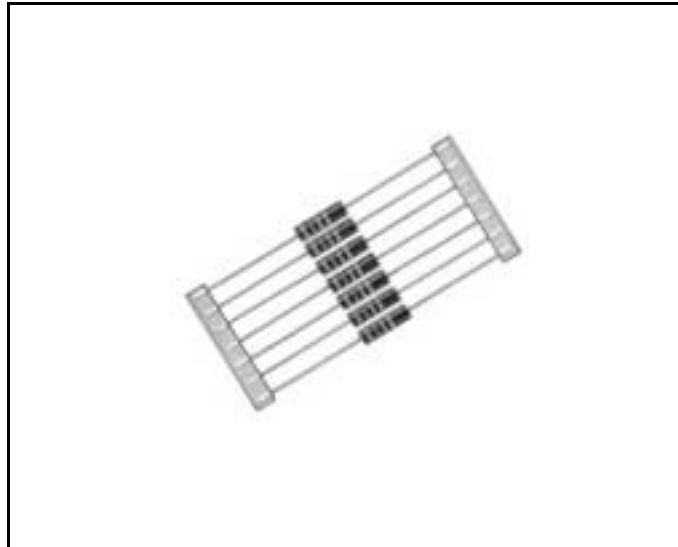


TYPE MSC55 SERIES

3rd February 2004
ISSUE 2

RF Inductor Moulded



TYPE MSC55 SERIES

Sigma quality and reliability are guaranteed in this moulded range of insulated and shielded RF Inductors. Their small size make them ideal for use when space is at a premium. They are also fully protected from environmental factors. Electrostatic and electromagnetic screening is provided by the magnetic enclosure. The MSC series was originally designed for military applications but now has widespread industrial use.

KEY FEATURES

- Dielectric Withstand 1000VRMS
- Fully Moulded Construction
- Colour Banded Coding
- Altitude Test 21,000 Metres
- Wide Inductance R10 - 1000 μ H
- Supplied on Tape
- Terminal Pull Strength 2.3Kg

STOCKISTS:

This product is not stocked in Distribution.

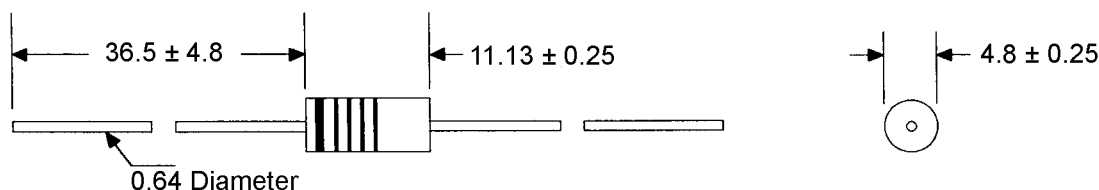
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ELECTRICAL

Inductance Code	Inductance μ H	Tolerance	Q Min.	Test Freq. (L&Q) MHz	SRF (Min) MHz	DCR (Max) ohms	Rated DC Current mA at 90°C
R15	0.15	20	55	25.0	510	0.030	3000
R22	0.22	20	50	25.0	415	0.035	2800
R33	0.33	20	50	25.0	350	0.065	2000
R47	0.47	20	50	25.0	300	0.085	1700
R56	0.56	10	50	25.0	270	0.125	1450
R68	0.68	10	45	25.0	250	0.15	1300
R82	0.82	10	40	25.0	210	0.205	1100
1R0	1.00	10	40	25.0	200	0.290	930
1R2	1.20	10	30	7.9	180	0.400	785
1R5	1.50	10	30	7.9	170	0.485	700
1R8	1.80	10	30	7.9	150	0.740	580
2R2	2.20	10	30	7.9	140	0.970	505
2R7	2.70	10	30	7.9	120	1.200	460
3R3	3.30	10	30	7.9	70	0.140	990
3R9	3.90	10	30	7.9	65	0.155	870
4R7	4.70	10	30	7.9	60	0.210	745
5R6	5.60	10	30	7.9	50	0.280	645
6R8	6.80	10	30	7.9	50	0.375	560
8R2	8.20	10	30	7.9	48	0.440	540
100	10.0	10	30	7.9	42	0.605	440
120	12.0	10	50	2.5	36	1.050	370
150	15.0	10	55	2.5	30	1.200	310
180	18.0	10	60	2.5	30	1.950	255
220	22.0	10	60	2.5	24	2.200	240
270	27.0	10	65	2.5	22	2.750	205

DIMENSIONS



- Manufactured to meet BS9751 N0001 pattern A but released to commercial standard.
- Colour banded in accordance with MIL - C - 15305

All Dimensions are nominal and in mm, unless otherwise shown. Do Not Scale.

HOW TO ORDER

MSC55	220	K	R
COMMON PART	INDUCTANCE VALUE	TOLERANCE	PACK STYLE
MSC55 – Axial Moulded Wound Inductor	See Table above	K – 10% M – 20%	R – Reeled 1000

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