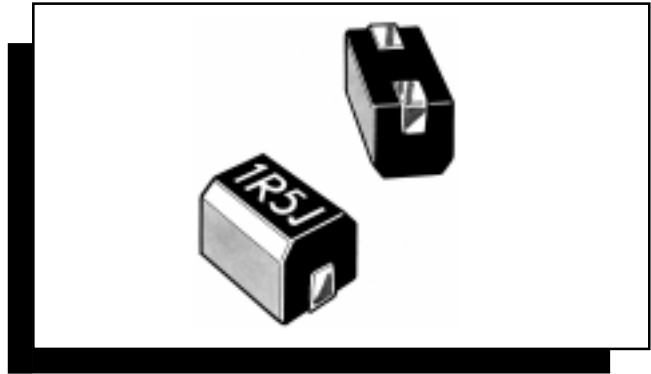


MEGGITT SIGMA
AXIAL INDUCTORS
SMD INDUCTORS
THIN FILM PRINTED INDUCTORS
POWER CHOKES IN
RADIAL AND AXIAL STYLE

SMD Chip Inductor

TYPE MSM32 SERIES



The MSM32 series is a standard 12:10 moulded winding on ferrite, of particularly high quality and reliability. Packaged in reels of 1000 pieces these devices are used on automatic pick and place machines for high speed mounting. Solder coated integrated terminals aid accurate placement.

MEGGITT SIGMA KEY FEATURES

■ INDUCTANCE RANGE 0.1 μ H TO 100 μ H

■ SUITABLE FOR REFLOW SOLDER

■ SMALL SIZE - 3.2 x 2.5mm (1210)

■ TEMPERATURE RANGE -20°C to +100°C

■ TAPED TO IEC 286 Pt3

■ AVAILABLE FROM STOCK

■ HIGH RELIABILITY

ELECTRICAL - Style T (Standard)

Inductance Code	Inductance (μ H)	Tolerance (\pm %)	Q Min	LQ Test Freq. (MHz)	Rdc Max (W)	S.R.F. (MHz)	Idc (mA) Max
R10	0.10	20	28	100	0.44	700	450
R12	0.12	20	30	25.2	0.22	500	450
R15	0.15	20	30	25.2	0.25	450	450
R18	0.18	20	30	25.2	0.28	400	450
R22	0.22	20	30	25.2	0.32	350	450
R27	0.27	20	30	25.2	0.36	320	450
R33	0.33	20	30	25.2	0.40	300	400
R39	0.39	20	30	25.2	0.45	250	450
R47	0.47	20	30	25.2	0.50	220	450
R56	0.56	20	30	25.2	0.55	180	450
R68	0.68	20	30	25.2	0.60	160	450
R82	0.82	20	30	25.2	0.65	140	450
1R0	1.0	20	30	7.96	0.70	120	400
1R2	1.2	20	30	7.96	0.75	100	390
1R5	1.5	20	30	7.96	0.85	85	370
1R8	1.8	20	30	7.96	0.90	80	350
2R2	2.2	20	30	7.96	1.00	75	320
2R7	2.7	20	30	7.96	1.10	70	290
3R3	3.3	10	30	7.96	1.20	60	260
3R9	3.9	10	30	7.96	1.30	55	250
4R7	4.7	10	30	7.96	1.50	50	220
5R6	5.6	10	30	7.96	1.60	47	200
6R8	6.8	10	30	7.96	1.80	43	180
8R2	8.2	10	30	7.96	2.00	40	170
100	10.0	10	30	2.52	2.10	36	150
120	12.0	10	30	2.52	2.50	33	140
150	15.0	10	30	2.52	2.80	28	130
180	18.0	10	30	2.52	3.30	25	120
220	22.0	10	30	2.52	3.70	23	110
270	27.0	10	30	2.52	5.00	18	80
330	33.0	10	30	2.52	5.60	17	70
390	39.0	10	30	2.52	6.40	16	65
470	47.0	10	30	2.52	7.00	15	60
560	56.0	10	30	2.52	8.00	13	55
680	68.0	10	30	2.52	9.00	12	50
820	82.0	10	30	2.52	10.00	11	45
101	100.0	10	20	0.796	10.00	10	40

TEMPERATURE

Temperature Range (Storage):

-40°C to +100°C

Temperature Range (Operating):

-20°C to +100°C

Resistance to Soldering:

260°C for 10 seconds.

