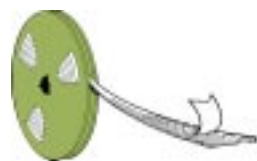


Wound Inductor SMD

18:12 moulded chip winding

Key features

- attractively priced
- 0.1 μ H to 1000 μ H inductance range
- small size - 4.5 x 3.2mm
- temperature range -20°C to +100°C
- taped to IEC 286 Pt 3
- suitable for dip and wave solder
- insulation 1000MW minimum
- available from stock (type A)



type 3613/ MSM45 series

Specially developed for automatic mounting these modern 18:12 inductors are offered in two series. The A type ~ a standard part which is available from Farnell Electronic Components, and the newer MSM45 types ~ a lower cost version with extended temperature range and value limits. The MSM45 Series are available via distribution from the Arrow Catalogue.

Specification

Electrical - 3613A (Standard Range)

Inductance Code	Inductance (μ H)	Tolerance ($\pm$ %)	Q Min	LQ Test Freq. (MHz)	S.R.F. (MHz) Min.	Rdc Max (W)	Idc (mA) Max
R22	0.22	20	40	25.2	150	0.15	710
R27	0.27	20	40	25.2	150	0.15	710
R33	0.33	20	40	25.2	150	0.16	670
R39	0.39	20	40	25.2	150	0.18	650
R47	0.47	20	50	25.2	150	0.19	620
R56	0.56	20	50	25.2	150	0.21	600
R68	0.68	20	50	25.2	130	0.22	580
R82	0.82	20	50	7.96	110	0.24	560
1R0	1.0	20	50	7.96	100	0.27	530
1R2	1.2	20	50	7.96	80	0.30	500
1R5	1.5	20	50	7.96	70	0.33	480
1R8	1.8	20	50	7.96	60	0.36	460
2R2	2.2	20	50	7.96	55	0.40	430
2R7	2.7	20	50	7.96	50	0.45	410
3R3	3.3	20	50	7.96	45	0.48	400
3R9	3.9	10	50	7.96	40	0.52	380
4R7	4.7	10	50	7.96	35	0.57	360
5R6	5.6	10	50	7.96	30	0.63	350
6R8	6.8	10	40	7.96	25	0.69	330
8R2	8.2	10	40	7.96	23	0.76	310
100	10	10	40	7.96	20	0.84	300
120	12	10	40	7.96	19	1.30	230
150	15	10	40	2.52	18	1.50	220
180	18	10	40	2.52	17	1.60	210
220	22	10	40	2.52	16	1.70	200
270	27	10	40	2.52	15	2.00	190
330	33	10	40	2.52	14	2.20	180
390	39	10	40	2.52	13	2.40	170
470	47	10	40	2.52	12	2.70	160
560	56	10	40	2.52	11	3.90	130
680	68	10	40	2.52	9.5	4.30	125
820	82	10	50	0.796	9.0	4.90	120
101	100	10	50	0.796	8.5	5.60	110
121	120	10	50	0.796	7.0	9.20	85
151	150	10	50	0.796	6.0	10.60	80
181	180	10	50	0.796	5.5	12.00	75
221	220	10	50	0.796	5.0	13.70	70

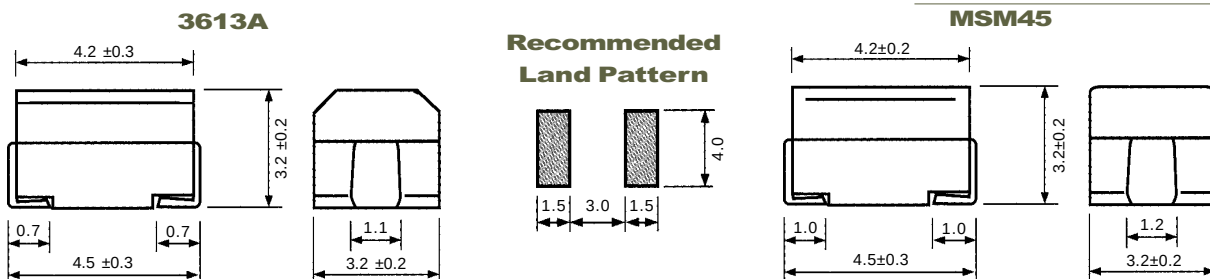
sales action desk (01793) 611666
 sales fax line (01793) 611777
 e-mail sales@megelec.co.uk

Electrical ~ MSM45 Package (Economy Range)

Inductance Code	Inductance (μH)	Tolerance (± %)	Q Min	LQ Test Freq. (MHz)	S.R.F. (MHz) Min.	Rdc Max (W)	Idc (mA) Max
R10	0.10	20	35	25.2	300	0.18	800
R12	0.12	20	35	25.2	280	0.20	770
R15	0.15	20	35	25.2	250	0.22	730
R18	0.18	20	35	25.2	220	0.24	700
R22	0.22	20	40	25.2	200	0.25	665
R27	0.27	20	40	25.2	180	0.26	635
R33	0.33	20	40	25.2	165	0.28	605
R39	0.39	20	40	25.2	150	0.30	575
R47	0.47	20	40	25.2	145	0.32	545
R56	0.56	20	40	25.2	140	0.36	520
R68	0.68	20	40	25.2	135	0.40	500
R82	0.82	20	40	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	10.0	10	50	2.52	20	1.60	250
120	12.0	10	50	2.52	18	2.00	225
150	15.0	10	50	2.52	17	2.50	200
180	18.0	10	50	2.52	15	2.80	190
220	22.0	10	50	2.52	13	3.20	180
270	27.0	10	50	2.52	12	3.60	170
330	33.0	10	50	2.52	11	4.00	160
390	39.0	10	50	2.52	10	4.50	150
470	47.0	10	50	2.52	10	5.00	140
560	56.0	10	50	2.52	9.0	5.50	135
680	68.0	10	50	2.52	9.0	6.00	130
820	82.0	10	50	2.52	8.0	7.00	120
101	100	10	40	0.796	8.0	8.00	110
121	120	10	40	0.796	6.0	8.00	110
151	150	10	40	0.796	5.0	9.00	105
181	180	10	40	0.796	5.0	9.50	102
221	220	10	40	0.796	4.0	10.0	100
271	270	10	40	0.796	4.0	12.0	92
331	330	10	40	0.796	3.5	14.0	85
391	390	10	40	0.796	3.0	18.0	80
471	470	10	40	0.796	3.0	26.0	62
561	560	10	40	0.796	3.0	30.0	50
681	680	10	40	0.796	3.0	30.0	50
821	820	10	40	0.796	2.5	35.0	30
102	1000	10	40	0.252	2.5	40.0	30

NB The MSM45 Series was formerly the Meggitt Citec 3613C Series and Sigma SM45 Series.

Dimensions



How To Order

3613A	1R5	M
Common Part	Inductance Code	Tolerance
3613A - Standard Part MSM45 - Economy Version	Value Code (See Table)	M - ± 20% K - ± 10%