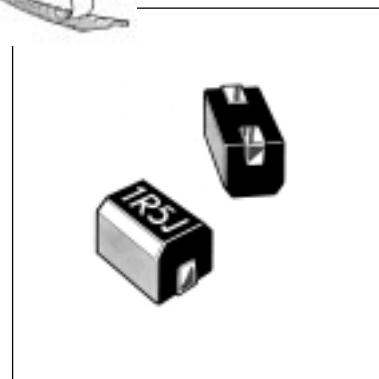
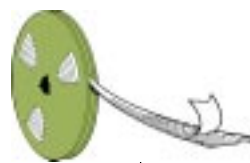


Wound Inductor SMD

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 1000M ω 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 |

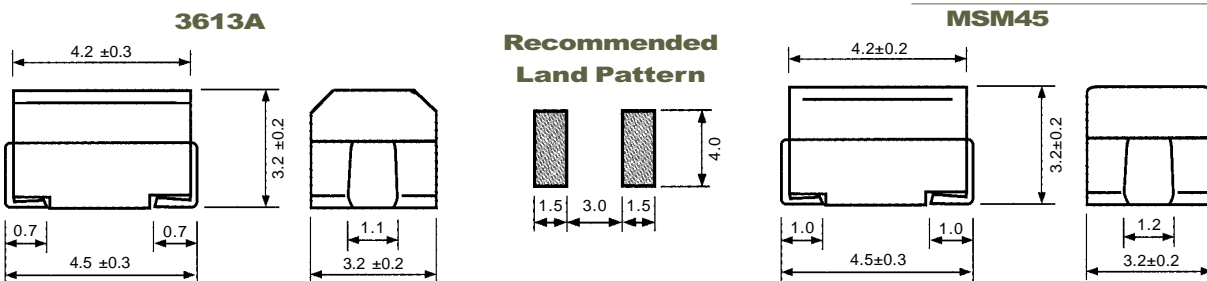
sales action desk (01793) 611666
 sales fax line (01793) 611777
 e-mail sales@megelec.co.uk

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

