

Varnished Chokes

Special Features

- High Q, high self-resonant frequency
- High voltage application on phenolic components
- Single layer or 3-pi universal wound
- Low cost
- Varnish coated
- Operating temperature:
phenolic -55 to +125 °C
iron & ferrite -55 to +105 °C

Notes

* Current to cause 35 °C max. temperature rise

† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

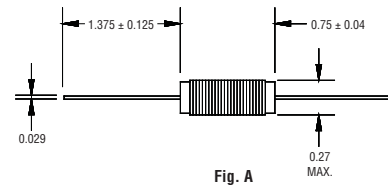


Fig. A

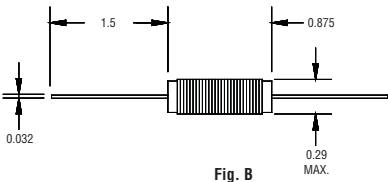


Fig. B

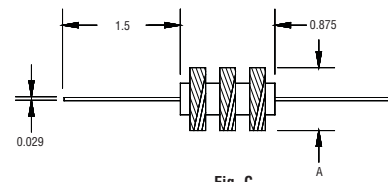


Fig. C

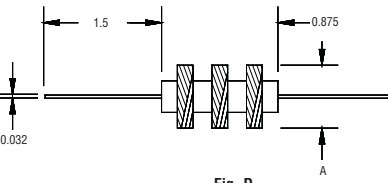


Fig. D

Dimensions: Inches

| 4600 Series | | | | | | | | | | |
|-------------|--------------|--------|------------------|----------------|------------|-------------|-----------------|------------|------|---|
| Part Number | L (μH) ±20 % | Q Min. | Test Freq. (MHz) | SRF (MHz) Min. | DCR Ω Max. | I, DC* (mA) | Coil Diam. Max. | Core Matl. | Fig. | |
| 4602-RC | 1.0 | 60 | 7.96 | 190 | 0.05 | 2000 | 0.27 | Phenolic | A | |
| ±10 % | | | | | | | | | | |
| 4604-RC | 1.5 | 58 | 7.96 | 149 | 0.093 | 1800 | 0.27 | Phenolic | A | |
| 4606-RC | 2.4 | 56 | 7.96 | 120 | 0.19 | 1500 | 0.27 | Phenolic | A | |
| 4608-RC | 3.9 | 60 | 7.96 | 93 | 0.45 | 1000 | 0.27 | Phenolic | A | |
| 4609-RC | 5.5 | 57 | 7.96 | 80 | 0.67 | 850 | 0.27 | Phenolic | A | |
| 4610-RC | 6.2 | 57 | 7.96 | 76 | 0.83 | 700 | 0.27 | Phenolic | A | |
| 4611-RC | 8.2 | 57 | 7.96 | 65 | 1.2 | 600 | 0.27 | Phenolic | A | |
| 4612-RC | 10 | 36 | 2.52 | 61 | 1.5 | 500 | 0.27 | Phenolic | A | |
| ±5 % | | | | | | | | | | |
| 4622-RC | 10 | 69 | 2.52 | 40 | 0.11 | 1500 | 0.29 | Iron | B | |
| 4624-RC | 15 | 62 | 2.52 | 33 | 0.17 | 1000 | 0.29 | Iron | B | |
| 4626-RC | 24 | 65 | 2.52 | 25 | 0.34 | 800 | 0.29 | Iron | B | |
| 4628-RC | 39 | 70 | 2.52 | 20 | 0.65 | 600 | 0.29 | Iron | B | |
| 4629-RC | 55 | 72 | 2.52 | 17 | 1.0 | 500 | 0.29 | Iron | B | |
| 4630-RC | 62 | 83 | 2.52 | 16 | 1.2 | 475 | 0.29 | Iron | B | |
| 4631-RC | 82 | 85 | 2.52 | 13 | 1.9 | 450 | 0.29 | Iron | B | |
| 4632-RC | 100 | 107 | 0.79 | 12 | 3.0 | 400 | 0.29 | Iron | B | |
| 4642-RC | 100 | 49 | 0.79 | 11 | 5.4 | 160 | 0.41 | Phenolic | C | |
| 4644-RC | 150 | 53 | 0.79 | 8.8 | 6.5 | 160 | 0.41 | Phenolic | C | |
| 4646-RC | 240 | 56 | 0.79 | 7.2 | 8.5 | 160 | 0.44 | Phenolic | C | |
| 4648-RC | 390 | 57 | 0.79 | 5.6 | 11.0 | 160 | 0.50 | Phenolic | C | |
| 4649-RC | 550 | 58 | 0.79 | 4.8 | 13.0 | 160 | 0.50 | Phenolic | C | |
| 4650-RC | 620 | 59 | 0.79 | 4.5 | 15.0 | 160 | 0.53 | Phenolic | C | |
| 4651-RC | 750 | 56 | 0.79 | 4.0 | 16.0 | 160 | 0.53 | Phenolic | C | |
| 4652-RC | 1000 | 59 | 0.252 | 3.7 | 19.0 | 160 | 0.56 | Phenolic | C | |
| | | | L Test @1 KHz | Q Test Freq. | | | | | | |
| 4662-RC | | 83 | 1000 | 0.252 | 2.6 | 8.6 | 160 | 0.47 | Iron | D |
| 4664-RC | | 82 | 1500 | 0.252 | 2.1 | 11.0 | 160 | 0.47 | Iron | D |
| 4666-RC | | 80 | 2400 | 0.252 | 1.7 | 15.0 | 160 | 0.53 | Iron | D |
| 4668-RC | | 73 | 3900 | 0.252 | 1.4 | 20.0 | 160 | 0.56 | Iron | D |
| 4669-RC | | 69 | 5500 | 0.252 | 1.1 | 25.0 | 160 | 0.59 | Iron | D |
| 4670-RC | | 89 | 6200 | 0.252 | 1.0 | 37.0 | 100 | 0.53 | Iron | D |
| 4671-RC | | 83 | 8200 | 0.252 | 0.94 | 46.0 | 100 | 0.56 | Iron | D |
| 4672-RC | | 68 | 10,000 | 0.0796 | 0.82 | 50.0 | 100 | 0.59 | Iron | D |

"-RC" suffix indicates RoHS compliance.