

High Current Chokes

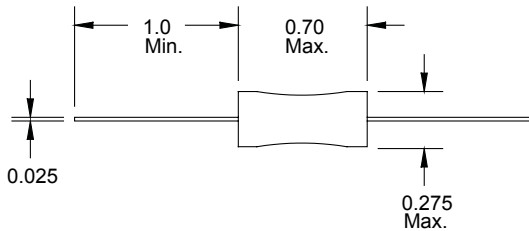
Special Features

- High current capacity
- Low DCR
- Ferrite bobbin core
- VW-1 rated shrink tubing to cover winding
- Dash No. marking for identification
- Dielectric strength 2500 Vrms
- Operating temperature -55 to +105 °C
- Test frequency 1 KHz

Notes

- * Saturation current to cause 10 % max. inductance drop
- ** Rated current to cause 35 °C max. temperature rise

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



Dimensions: Inches

| 5800 Series | | | | |
|-------------|-----------------|-------|----------------|------------------|
| Part Number | L (μH) ±10 % | DCR | | I rated** (A) |
| | | Ω | I sat.* (A) | |
| 5800-3R9-RC | 3.9 | 0.019 | 7.3 | 1.28 |
| 5800-4R7-RC | 4.7 | 0.022 | 6.3 | 1.28 |
| 5800-5R6-RC | 5.6 | 0.024 | 5.6 | 1.28 |
| 5800-6R8-RC | 6.8 | 0.026 | 5.3 | 1.28 |
| 5800-8R2-RC | 8.2 | 0.028 | 4.5 | 1.28 |
| 5800-100-RC | 10 | 0.033 | 4.1 | 1.28 |
| 5800-120-RC | 12 | 0.037 | 3.6 | 1.28 |
| 5800-150-RC | 15 | 0.040 | 3.3 | 1.28 |
| 5800-180-RC | 18 | 0.044 | 3.0 | 1.28 |
| 5800-220-RC | 22 | 0.050 | 2.7 | 1.28 |
| 5800-270-RC | 27 | 0.058 | 2.5 | 1.28 |
| 5800-330-RC | 33 | 0.075 | 2.2 | 1.008 |
| 5800-390-RC | 39 | 0.094 | 2.0 | 0.804 |
| 5800-470-RC | 47 | 0.109 | 1.8 | 0.804 |
| 5800-560-RC | 56 | 0.140 | 1.7 | 0.804 |
| 5800-680-RC | 68 | 0.145 | 1.5 | 0.804 |
| 5800-820-RC | 82 | 0.152 | 1.4 | 0.804 |
| 5800-101-RC | 100 | 0.208 | 1.2 | 0.632 |
| 5800-121-RC | 120 | 0.283 | 1.1 | 0.508 |
| 5800-151-RC | 150 | 0.34 | 1.0 | 0.508 |
| 5800-181-RC | 180 | 0.362 | 0.95 | 0.508 |
| 5800-221-RC | 220 | 0.43 | 0.86 | 0.508 |
| 5800-271-RC | 270 | 0.557 | 0.77 | 0.400 |
| 5800-331-RC | 330 | 0.665 | 0.70 | 0.400 |
| 5800-391-RC | 390 | 0.772 | 0.64 | 0.400 |
| 5800-471-RC | 470 | 1.15 | 0.59 | 0.315 |
| 5800-561-RC | 560 | 1.27 | 0.54 | 0.315 |
| 5800-681-RC | 680 | 1.61 | 0.49 | 0.250 |
| 5800-821-RC | 820 | 1.96 | 0.44 | 0.200 |
| 5800-102-RC | 1000 | 2.3 | 0.40 | 0.200 |
| 5800-122-RC | 1200 | 2.65 | 0.35 | 0.200 |
| 5800-152-RC | 1500 | 3.45 | 0.33 | 0.158 |
| 5800-182-RC | 1800 | 4.03 | 0.29 | 0.158 |
| 5800-222-RC | 2200 | 4.48 | 0.27 | 0.158 |
| 5800-272-RC | 2700 | 5.9 | 0.24 | 0.125 |
| 5800-332-RC | 3300 | 6.56 | 0.22 | 0.125 |
| 5800-392-RC | 3900 | 8.63 | 0.20 | 0.100 |
| 5800-472-RC | 4700 | 10.5 | 0.18 | 0.100 |
| 5800-562-RC | 5600 | 13.9 | 0.166 | 0.082 |
| 5800-682-RC | 6800 | 16.3 | 0.151 | 0.082 |
| 5800-822-RC | 8200 | 20.8 | 0.136 | 0.065 |
| 5800-103-RC | 10,000 | 26.4 | 0.125 | 0.050 |
| 5800-123-RC | 12,000 | 29.9 | 0.114 | 0.050 |
| 5800-153-RC | 15,000 | 42.5 | 0.098 | 0.039 |
| 5800-183-RC | 18,000 | 48.3 | 0.091 | 0.039 |

"-RC" suffix indicates RoHS compliance.