

High Current Chokes

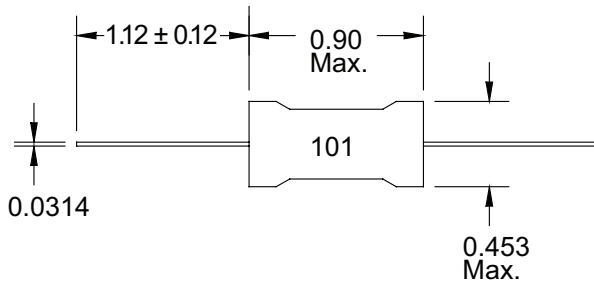
Special Features

- High current capacity
- Ferrite bobbin core
- VW-1 rated shrink tubing to cover winding
- Dielectric strength 2500 Vrms
- Operating temperature -40 to +125 °C

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 and RoHS Recast 2011/65/EU June 8, 2011.



Dimensions: Inches

| 5900 Series | | | | | |
|-------------|--------------------------------------|------------------|----------------------|----------------|------------------|
| Part Number | L (μH) @1 kHz/ 0.25 V ±10 % | DCR Ω Max. | SRF (MHz) Typ. | I sat.* (A) | I rated** (A) |
| 5900-3R9-RC | 3.9 | 0.012 | 80.00 | 14.4 | 5.9 |
| 5900-4R7-RC | 4.7 | 0.014 | 70.00 | 13.0 | 5.7 |
| 5900-5R6-RC | 5.6 | 0.015 | 65.00 | 11.8 | 5.4 |
| 5900-6R8-RC | 6.8 | 0.016 | 60.00 | 10.8 | 5.2 |
| 5900-8R2-RC | 8.2 | 0.017 | 55.00 | 10.0 | 5.0 |
| 5900-100-RC | 10 | 0.019 | 50.00 | 8.7 | 4.7 |
| 5900-120-RC | 12 | 0.021 | 40.00 | 8.1 | 4.6 |
| 5900-150-RC | 15 | 0.025 | 35.00 | 6.8 | 4.2 |
| 5900-180-RC | 18 | 0.027 | 30.00 | 6.2 | 4.0 |
| 5900-220-RC | 22 | 0.030 | 20.00 | 5.7 | 3.8 |
| 5900-270-RC | 27 | 0.032 | 10.00 | 5.2 | 3.6 |
| 5900-330-RC | 33 | 0.037 | 9.50 | 4.6 | 3.4 |
| 5900-390-RC | 39 | 0.039 | 7.50 | 4.3 | 3.3 |
| 5900-470-RC | 47 | 0.045 | 6.50 | 3.8 | 3.1 |
| 5900-560-RC | 56 | 0.050 | 5.50 | 3.5 | 2.9 |
| 5900-680-RC | 68 | 0.056 | 4.50 | 3.2 | 2.8 |
| 5900-820-RC | 82 | 0.078 | 3.50 | 2.9 | 2.3 |
| 5900-101-RC | 100 | 0.086 | 3.00 | 2.7 | 2.2 |
| 5900-121-RC | 120 | 0.097 | 2.50 | 2.4 | 2.1 |
| 5900-151-RC | 150 | 0.110 | 2.20 | 2.1 | 2.0 |
| 5900-181-RC | 180 | 0.140 | 2.00 | 2.0 | 1.7 |
| 5900-221-RC | 220 | 0.185 | 1.90 | 1.8 | 1.5 |
| 5900-271-RC | 270 | 0.210 | 1.70 | 1.6 | 1.4 |
| 5900-331-RC | 330 | 0.285 | 1.50 | 1.4 | 1.2 |
| 5900-391-RC | 390 | 0.310 | 1.30 | 1.3 | 1.2 |
| 5900-471-RC | 470 | 0.420 | 1.20 | 1.2 | 1.0 |
| 5900-561-RC | 560 | 0.460 | 1.10 | 1.1 | 1.0 |
| 5900-681-RC | 680 | 0.515 | 1.00 | 1.0 | 0.90 |
| 5900-821-RC | 820 | 0.580 | 0.90 | 0.92 | 0.85 |
| 5900-102-RC | 1000 | 0.830 | 0.80 | 0.83 | 0.71 |
| 5900-122-RC | 1200 | 0.910 | 0.75 | 0.76 | 0.68 |
| 5900-152-RC | 1500 | 1.33 | 0.70 | 0.68 | 0.56 |
| 5900-182-RC | 1800 | 1.50 | 0.60 | 0.62 | 0.53 |
| 5900-222-RC | 2200 | 1.70 | 0.55 | 0.56 | 0.50 |
| 5900-272-RC | 2700 | 2.50 | 0.50 | 0.51 | 0.41 |
| 5900-332-RC | 3300 | 2.80 | 0.45 | 0.46 | 0.39 |
| 5900-392-RC | 3900 | 3.10 | 0.42 | 0.42 | 0.37 |
| 5900-472-RC | 4700 | 3.70 | 0.40 | 0.38 | 0.34 |
| 5900-562-RC | 5600 | 4.10 | 0.37 | 0.35 | 0.32 |
| 5900-682-RC | 6800 | 5.40 | 0.35 | 0.32 | 0.28 |
| 5900-822-RC | 8200 | 6.00 | 0.32 | 0.29 | 0.26 |
| 5900-103-RC | 10,000 | 7.60 | 0.30 | 0.26 | 0.23 |
| 5900-123-RC | 12,000 | 8.50 | 0.27 | 0.24 | 0.22 |
| 5900-153-RC | 15,000 | 11.5 | 0.25 | 0.21 | 0.19 |
| 5900-183-RC | 18,000 | 14.0 | 0.22 | 0.20 | 0.17 |
| 5900-223-RC | 22,000 | 18.0 | 0.20 | 0.18 | 0.15 |
| 5900-273-RC | 27,000 | 22.0 | 0.17 | 0.16 | 0.14 |
| 5900-333-RC | 33,000 | 25.0 | 0.15 | 0.14 | 0.13 |
| 5900-393-RC | 39,000 | 31.0 | 0.14 | 0.13 | 0.12 |
| 5900-473-RC | 47,000 | 40.0 | 0.13 | 0.12 | 0.10 |
| 5900-563-RC | 56,000 | 45.0 | 0.12 | 0.11 | 0.10 |
| 5900-683-RC | 68,000 | 58.0 | 0.10 | 0.10 | 0.080 |
| 5900-823-RC | 82,000 | 65.0 | 0.09 | 0.092 | 0.079 |
| 5900-104-RC | 100,000 | 82.0 | 0.08 | 0.083 | 0.070 |

“-RC” suffix indicates RoHS compliance.