

# High Current RF Chokes

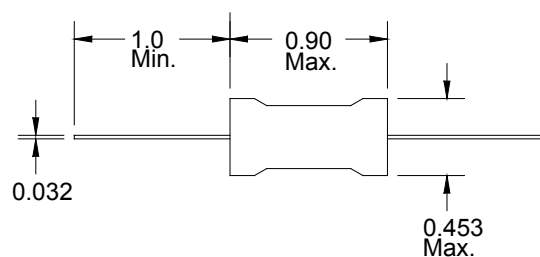
## Special Features

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

## Notes

\* Saturation current to cause 10% maximum inductance drop

\*\* Rated current to cause 35°C max. temperature rise



| 5900 Series |                |                  |                |                  |
|-------------|----------------|------------------|----------------|------------------|
| Part Number | L (μH)<br>±10% | DCR<br>Ω<br>Max. | I sat.*<br>(A) | I rated**<br>(A) |
| 5900-3R9    | 3.9            | 0.007            | 15.5           | 4.0              |
| 5900-4R7    | 4.7            | 0.008            | 13.9           | 4.0              |
| 5900-5R6    | 5.6            | 0.011            | 12.6           | 4.0              |
| 5900-6R8    | 6.8            | 0.011            | 11.6           | 4.0              |
| 5900-8R2    | 8.2            | 0.013            | 9.89           | 4.0              |
| 5900-100    | 10             | 0.017            | 8.70           | 4.0              |
| 5900-120    | 12             | 0.019            | 8.21           | 4.0              |
| 5900-150    | 15             | 0.022            | 7.34           | 4.0              |
| 5900-180    | 18             | 0.023            | 6.64           | 4.0              |
| 5900-220    | 22             | 0.026            | 6.07           | 4.0              |
| 5900-270    | 27             | 0.027            | 5.36           | 4.0              |
| 5900-330    | 33             | 0.032            | 4.82           | 4.0              |
| 5900-390    | 39             | 0.033            | 4.36           | 4.0              |
| 5900-470    | 47             | 0.035            | 3.98           | 4.0              |
| 5900-560    | 56             | 0.037            | 3.66           | 3.2              |
| 5900-680    | 68             | 0.047            | 3.31           | 2.5              |
| 5900-820    | 82             | 0.060            | 3.10           | 2.0              |
| 5900-101    | 100            | 0.090            | 2.79           | 1.6              |
| 5900-121    | 120            | 0.113            | 2.54           | 1.6              |
| 5900-151    | 150            | 0.129            | 2.22           | 1.6              |
| 5900-181    | 180            | 0.150            | 1.98           | 1.6              |
| 5900-221    | 220            | 0.162            | 1.89           | 1.6              |
| 5900-271    | 270            | 0.208            | 1.63           | 1.6              |
| 5900-331    | 330            | 0.212            | 1.51           | 1.6              |
| 5900-391    | 390            | 0.281            | 1.39           | 1.6              |
| 5900-471    | 470            | 0.380            | 1.24           | 1.2              |
| 5900-561    | 560            | 0.420            | 1.17           | 1.0              |
| 5900-681    | 680            | 0.548            | 1.05           | 1.0              |
| 5900-821    | 820            | 0.655            | 0.97           | 0.8              |
| 5900-102    | 1000           | 0.844            | 0.87           | 0.8              |
| 5900-122    | 1200           | 1.04             | 0.79           | 0.6              |
| 5900-152    | 1500           | 1.18             | 0.70           | 0.6              |
| 5900-182    | 1800           | 1.56             | 0.64           | 0.6              |
| 5900-222    | 2200           | 2.00             | 0.58           | 0.5              |
| 5900-272    | 2700           | 2.06             | 0.53           | 0.4              |
| 5900-332    | 3300           | 2.53             | 0.47           | 0.4              |
| 5900-392    | 3900           | 2.75             | 0.43           | 0.4              |
| 5900-472    | 4700           | 3.19             | 0.39           | 0.4              |
| 5900-562    | 5600           | 3.92             | 0.359          | 0.315            |
| 5900-682    | 6800           | 5.69             | 0.322          | 0.250            |
| 5900-822    | 8200           | 6.32             | 0.293          | 0.250            |
| 5900-103    | 10,000         | 7.30             | 0.266          | 0.250            |
| 5900-123    | 12,000         | 9.21             | 0.241          | 0.200            |
| 5900-153    | 15,000         | 10.5             | 0.214          | 0.200            |
| 5900-183    | 18,000         | 14.8             | 0.198          | 0.158            |
| 5900-223    | 22,000         | 21.8             | 0.180          | 0.125            |
| 5900-273    | 27,000         | 22.7             | 0.162          | 0.125            |
| 5900-333    | 33,000         | 25.7             | 0.146          | 0.125            |
| 5900-393    | 39,000         | 31.8             | 0.135          | 0.100            |
| 5900-473    | 47,000         | 36.1             | 0.122          | 0.100            |
| 5900-563    | 56,000         | 40.9             | 0.112          | 0.100            |
| 5900-683    | 68,000         | 57.3             | 0.101          | 0.082            |
| 5900-823    | 82,000         | 79.3             | 0.090          | 0.065            |
| 5900-104    | 100,000        | 89.7             | 0.081          | 0.065            |

Also available as RoHS compliant.

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