

# High Current Chokes

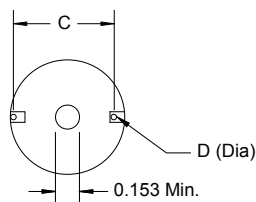
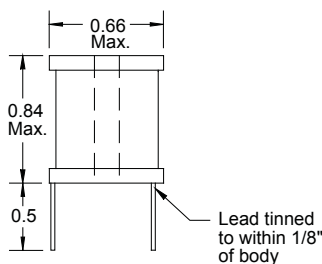
## Special Features

- Very high current capacity
- Low DCR
- Epoxy coated ferrite bobbin core
- VW-1 rated shrink tubing to cover winding
- Self-leaded
- Fixed lead spacing
- Center hole for mechanical mounting
- Dielectric withstanding voltage:  
2500 Vrms terminal to shrink tube cover;  
1000 Vrms terminal to core
- Operating temperature -55 to +105 °C
- Magnetic Wire: Polyester, 155 °C rated

## Notes

\* Rated current to cause 50 °C max. temperature rise and 5 % max. inductance drop

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



Note: Major diameter of #6 screw = 0.138 "

Dimensions: Inches

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| 1110 Series  |                            |                  |               |                   |                |
|--------------|----------------------------|------------------|---------------|-------------------|----------------|
| Part Number  | L (μH)<br>±20 %<br>@ 1 KHz | DCR<br>Ω<br>Max. | I, dc*<br>(A) | Dim. C<br>Approx. | Dim. D<br>Nom. |
| 1110-1R0M-RC | 1.0                        | 0.003            | 9             | 0.55              | 0.049          |
| 1110-1R2M-RC | 1.2                        | 0.003            | 9             | 0.55              | 0.049          |
| 1110-1R5M-RC | 1.5                        | 0.004            | 9             | 0.55              | 0.049          |
| 1110-1R8M-RC | 1.8                        | 0.004            | 9             | 0.55              | 0.049          |
| 1110-2R2M-RC | 2.2                        | 0.005            | 9             | 0.55              | 0.049          |
| 1110-2R7M-RC | 2.7                        | 0.005            | 9             | 0.55              | 0.049          |
| 1110-3R3M-RC | 3.3                        | 0.005            | 9             | 0.55              | 0.049          |
| 1110-3R9M-RC | 3.9                        | 0.006            | 9             | 0.55              | 0.049          |
| 1110-4R7M-RC | 4.7                        | 0.007            | 9             | 0.55              | 0.049          |
| 1110-5R6M-RC | 5.6                        | 0.007            | 9             | 0.55              | 0.049          |
| 1110-6R8M-RC | 6.8                        | 0.008            | 9             | 0.55              | 0.049          |
| 1110-8R2M-RC | 8.2                        | 0.009            | 9             | 0.55              | 0.049          |
| ± 10 %       |                            |                  |               |                   |                |
| 1110-100K-RC | 10                         | 0.010            | 9             | 0.55              | 0.049          |
| 1110-120K-RC | 12                         | 0.011            | 9             | 0.55              | 0.049          |
| 1110-150K-RC | 15                         | 0.015            | 7.2           | 0.53              | 0.043          |
| 1110-180K-RC | 18                         | 0.016            | 7.2           | 0.53              | 0.043          |
| 1110-220K-RC | 22                         | 0.020            | 5.5           | 0.53              | 0.043          |
| 1110-270K-RC | 27                         | 0.030            | 4.5           | 0.53              | 0.039          |
| 1110-330K-RC | 33                         | 0.040            | 4             | 0.53              | 0.037          |
| 1110-390K-RC | 39                         | 0.046            | 4             | 0.53              | 0.035          |
| 1110-470K-RC | 47                         | 0.062            | 2.8           | 0.53              | 0.032          |
| 1110-560K-RC | 56                         | 0.069            | 2.8           | 0.53              | 0.032          |
| 1110-680K-RC | 68                         | 0.077            | 2.8           | 0.50              | 0.032          |
| 1110-820K-RC | 82                         | 0.083            | 2.8           | 0.50              | 0.032          |
| 1110-101K-RC | 100                        | 0.095            | 2.8           | 0.50              | 0.030          |
| 1110-121K-RC | 120                        | 0.127            | 2             | 0.50              | 0.029          |
| 1110-151K-RC | 150                        | 0.181            | 1.6           | 0.50              | 0.029          |
| 1110-181K-RC | 180                        | 0.217            | 1.6           | 0.50              | 0.025          |
| 1110-221K-RC | 220                        | 0.240            | 1.6           | 0.50              | 0.025          |
| 1110-271K-RC | 270                        | 0.300            | 1.6           | 0.47              | 0.020          |
| 1110-331K-RC | 330                        | 0.336            | 1.3           | 0.47              | 0.020          |
| 1110-391K-RC | 390                        | 0.460            | 1             | 0.47              | 0.020          |
| 1110-471K-RC | 470                        | 0.636            | 0.8           | 0.47              | 0.020          |
| 1110-561K-RC | 560                        | 0.696            | 0.8           | 0.47              | 0.020          |

"-RC" suffix indicates RoHS compliance.

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