

# High Current Chokes

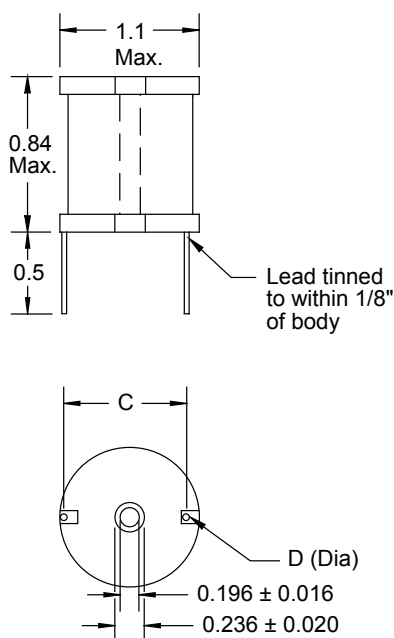
## Special Features

- 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

## 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 #8 screw = 0.164 "

Dimensions: Inches

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| 1130 Series  |                            |                  |               |                      |                   |
|--------------|----------------------------|------------------|---------------|----------------------|-------------------|
| Part Number  | L (μH)<br>±20 %<br>@ 1 KHz | DCR<br>Ω<br>Max. | I, dc*<br>(A) | Dim.<br>C<br>Approx. | Dim.<br>D<br>Nom. |
| 1130-1R0M-RC | 1.0                        | 0.003            | 21            | 0.80                 | 0.081             |
| 1130-1R2M-RC | 1.2                        | 0.003            | 21            | 0.80                 | 0.081             |
| 1130-1R5M-RC | 1.5                        | 0.003            | 21            | 0.80                 | 0.081             |
| 1130-1R8M-RC | 1.8                        | 0.003            | 21            | 0.80                 | 0.081             |
| 1130-2R2M-RC | 2.2                        | 0.003            | 21            | 0.80                 | 0.081             |
| 1130-2R7M-RC | 2.7                        | 0.003            | 21            | 0.80                 | 0.081             |
| 1130-3R3M-RC | 3.3                        | 0.003            | 21            | 0.80                 | 0.081             |
| 1130-3R9M-RC | 3.9                        | 0.003            | 21            | 0.80                 | 0.081             |
| 1130-4R7M-RC | 4.7                        | 0.003            | 21            | 0.80                 | 0.081             |
| 1130-5R6M-RC | 5.6                        | 0.003            | 21            | 0.82                 | 0.081             |
| 1130-6R8M-RC | 6.8                        | 0.004            | 21            | 0.82                 | 0.081             |
| 1130-8R2M-RC | 8.2                        | 0.004            | 21            | 0.82                 | 0.081             |
| ± 10 %       |                            |                  |               |                      |                   |
| 1130-100K-RC | 10                         | 0.006            | 17            | 0.82                 | 0.081             |
| 1130-120K-RC | 12                         | 0.008            | 13.5          | 0.80                 | 0.072             |
| 1130-150K-RC | 15                         | 0.009            | 13.5          | 0.80                 | 0.072             |
| 1130-180K-RC | 18                         | 0.010            | 13.5          | 0.80                 | 0.072             |
| 1130-220K-RC | 22                         | 0.011            | 13.5          | 0.79                 | 0.064             |
| 1130-270K-RC | 27                         | 0.012            | 13.5          | 0.79                 | 0.064             |
| 1130-330K-RC | 33                         | 0.017            | 13.5          | 0.79                 | 0.064             |
| 1130-390K-RC | 39                         | 0.022            | 11.4          | 0.79                 | 0.057             |
| 1130-470K-RC | 47                         | 0.024            | 9             | 0.79                 | 0.057             |
| 1130-560K-RC | 56                         | 0.026            | 9             | 0.79                 | 0.057             |
| 1130-680K-RC | 68                         | 0.029            | 9             | 0.79                 | 0.057             |
| 1130-820K-RC | 82                         | 0.032            | 9             | 0.79                 | 0.051             |
| 1130-101K-RC | 100                        | 0.034            | 9             | 0.79                 | 0.051             |
| 1130-121K-RC | 120                        | 0.046            | 7.2           | 0.79                 | 0.051             |
| 1130-151K-RC | 150                        | 0.064            | 5.5           | 0.77                 | 0.045             |
| 1130-181K-RC | 180                        | 0.072            | 5.5           | 0.77                 | 0.045             |
| 1130-221K-RC | 220                        | 0.080            | 5.5           | 0.77                 | 0.040             |
| 1130-271K-RC | 270                        | 0.110            | 4.5           | 0.77                 | 0.040             |
| 1130-331K-RC | 330                        | 0.122            | 4.5           | 0.77                 | 0.040             |
| 1130-391K-RC | 390                        | 0.169            | 4             | 0.77                 | 0.036             |
| 1130-471K-RC | 470                        | 0.187            | 4             | 0.77                 | 0.036             |
| 1130-561K-RC | 560                        | 0.205            | 4             | 0.77                 | 0.032             |
| 1130-681K-RC | 680                        | 0.256            | 2.8           | 0.77                 | 0.032             |
| 1130-821K-RC | 820                        | 0.288            | 2.8           | 0.77                 | 0.032             |
| 1130-102K-RC | 1000                       | 0.426            | 2             | 0.75                 | 0.029             |
| 1130-122K-RC | 1200                       | 0.426            | 2             | 0.75                 | 0.029             |
| 1130-152K-RC | 1500                       | 0.518            | 2             | 0.75                 | 0.025             |
| 1130-182K-RC | 1800                       | 0.705            | 1.6           | 0.75                 | 0.025             |
| 1130-222K-RC | 2200                       | 1.02             | 1.3           | 0.75                 | 0.025             |
| 1130-272K-RC | 2700                       | 1.14             | 1.3           | 0.75                 | 0.023             |
| 1130-332K-RC | 3300                       | 1.27             | 1.3           | 0.75                 | 0.020             |
| 1130-392K-RC | 3900                       | 1.67             | 1             | 0.75                 | 0.020             |
| 1130-472K-RC | 4700                       | 1.86             | 1             | 0.75                 | 0.020             |

"-RC" suffix indicates RoHS compliance.

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