

## High Current Chokes

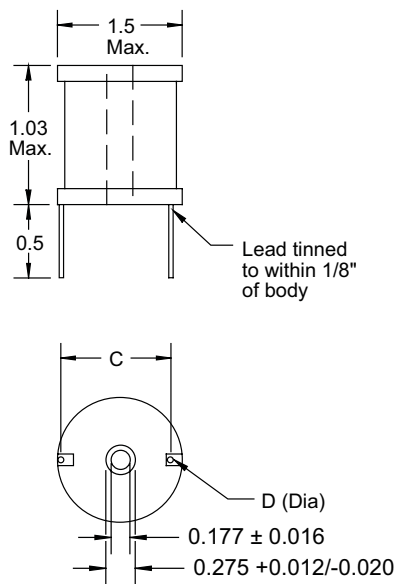
### Special Features

- 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 #6 screw = 0.138 "

Dimensions: Inches

| 1140 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. |
| 1140-1R8M-RC | 1.8                        | 0.002            | 27            | 1.11                 | 0.081             |
| 1140-2R2M-RC | 2.2                        | 0.002            | 27            | 1.11                 | 0.081             |
| 1140-2R7M-RC | 2.7                        | 0.003            | 27            | 1.11                 | 0.081             |
| 1140-3R3M-RC | 3.3                        | 0.003            | 27            | 1.11                 | 0.081             |
| 1140-3R9M-RC | 3.9                        | 0.003            | 27            | 1.11                 | 0.081             |
| 1140-4R7M-RC | 4.7                        | 0.003            | 27            | 1.11                 | 0.081             |
| 1140-5R6M-RC | 5.6                        | 0.004            | 27            | 1.11                 | 0.081             |
| 1140-6R8M-RC | 6.8                        | 0.004            | 27            | 1.15                 | 0.081             |
| 1140-8R2M-RC | 8.2                        | 0.004            | 27            | 1.15                 | 0.081             |
| ± 10 %       |                            |                  |               |                      |                   |
| 1140-100K-RC | 10                         | 0.005            | 27            | 1.15                 | 0.081             |
| 1140-120K-RC | 12                         | 0.005            | 27            | 1.15                 | 0.081             |
| 1140-150K-RC | 15                         | 0.006            | 27            | 1.15                 | 0.081             |
| 1140-180K-RC | 18                         | 0.008            | 27            | 1.15                 | 0.081             |
| 1140-220K-RC | 22                         | 0.009            | 21            | 1.15                 | 0.081             |
| 1140-270K-RC | 27                         | 0.010            | 21            | 1.15                 | 0.081             |
| 1140-330K-RC | 33                         | 0.011            | 21            | 1.15                 | 0.072             |
| 1140-390K-RC | 39                         | 0.012            | 21            | 1.15                 | 0.072             |
| 1140-470K-RC | 47                         | 0.018            | 14.4          | 1.15                 | 0.072             |
| 1140-560K-RC | 56                         | 0.019            | 14.4          | 1.15                 | 0.064             |
| 1140-680K-RC | 68                         | 0.021            | 14.4          | 1.15                 | 0.064             |
| 1140-820K-RC | 82                         | 0.023            | 14.4          | 1.15                 | 0.064             |
| 1140-101K-RC | 100                        | 0.025            | 14.4          | 1.15                 | 0.064             |
| 1140-121K-RC | 120                        | 0.028            | 14.4          | 1.15                 | 0.057             |
| 1140-151K-RC | 150                        | 0.040            | 11.4          | 1.15                 | 0.057             |
| 1140-181K-RC | 180                        | 0.045            | 11.4          | 1.15                 | 0.057             |
| 1140-221K-RC | 220                        | 0.050            | 11.4          | 1.15                 | 0.051             |
| 1140-271K-RC | 270                        | 0.056            | 11.4          | 1.15                 | 0.051             |
| 1140-331K-RC | 330                        | 0.074            | 11.4          | 1.15                 | 0.051             |
| 1140-391K-RC | 390                        | 0.082            | 9             | 1.15                 | 0.045             |
| 1140-471K-RC | 470                        | 0.114            | 7.2           | 1.15                 | 0.045             |
| 1140-561K-RC | 560                        | 0.125            | 7.2           | 1.15                 | 0.040             |
| 1140-681K-RC | 680                        | 0.139            | 7.2           | 1.15                 | 0.040             |
| 1140-821K-RC | 820                        | 0.154            | 7.2           | 1.15                 | 0.040             |
| 1140-102K-RC | 1000                       | 0.216            | 5.5           | 1.15                 | 0.040             |
| 1140-122K-RC | 1200                       | 0.232            | 5.5           | 1.14                 | 0.036             |
| 1140-152K-RC | 1500                       | 0.324            | 4.5           | 1.14                 | 0.036             |
| 1140-182K-RC | 1800                       | 0.360            | 4.5           | 1.14                 | 0.036             |
| 1140-222K-RC | 2200                       | 0.494            | 4             | 1.10                 | 0.032             |
| 1140-272K-RC | 2700                       | 0.555            | 4             | 1.12                 | 0.032             |
| 1140-332K-RC | 3300                       | 0.773            | 2.8           | 1.10                 | 0.029             |
| 1140-392K-RC | 3900                       | 0.845            | 2.8           | 1.10                 | 0.029             |
| 1140-472K-RC | 4700                       | 1.14             | 2             | 1.12                 | 0.029             |
| 1140-562K-RC | 5600                       | 1.60             | 2             | 1.09                 | 0.025             |
| 1140-682K-RC | 6800                       | 1.76             | 1.6           | 1.12                 | 0.025             |
| 1140-822K-RC | 8200                       | 1.95             | 1.6           | 1.09                 | 0.023             |
| 1140-103K-RC | 10,000                     | 2.76             | 1.3           | 1.11                 | 0.023             |
| 1140-123K-RC | 12,000                     | 3.04             | 1.3           | 1.08                 | 0.020             |
| 1140-153K-RC | 15,000                     | 3.39             | 1.3           | 1.10                 | 0.020             |

"-RC" suffix indicates RoHS compliance.

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