

## Varnished Chokes

### Special Features

- High Q, high self-resonant frequency
- High voltage application on phenolic components
- Single layer or 3-pi universal wound
- Low cost
- Varnish coated
- Operating temperature:  
phenolic -55 to +125 °C  
iron & ferrite -55 to +105 °C

### Notes

\* Current to cause 35 °C max. temperature rise

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

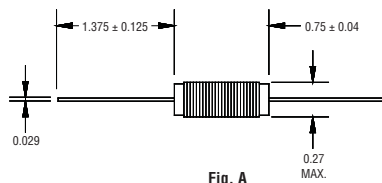


Fig. A

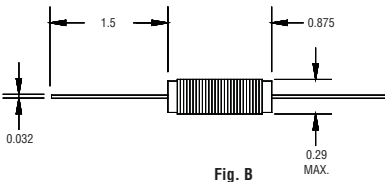


Fig. B

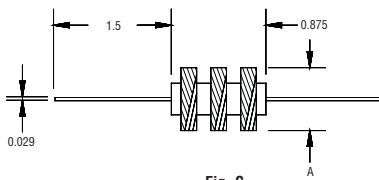


Fig. C

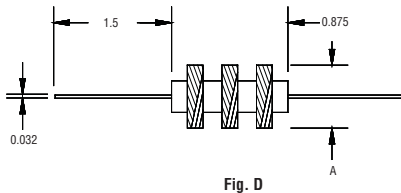


Fig. D

Dimensions: Inches

| 4600 Series |                 |              |                     |                      |                  |                |                       |               |      |
|-------------|-----------------|--------------|---------------------|----------------------|------------------|----------------|-----------------------|---------------|------|
| Part Number | L (μH)<br>±20 % | Q<br>Min.    | Test Freq.<br>(MHz) | SRF<br>(MHz)<br>Min. | DCR<br>Ω<br>Max. | I, DC*<br>(mA) | Coil<br>Diam.<br>Max. | Core<br>Matl. | Fig. |
| 4602-RC     | 1.0             | 60           | 7.96                | 190                  | 0.05             | 2000           | 0.27                  | Phenolic      | A    |
|             | ±10 %           |              |                     |                      |                  |                |                       |               |      |
| 4604-RC     | 1.5             | 58           | 7.96                | 149                  | 0.093            | 1800           | 0.27                  | Phenolic      | A    |
| 4606-RC     | 2.4             | 56           | 7.96                | 120                  | 0.19             | 1500           | 0.27                  | Phenolic      | A    |
| 4608-RC     | 3.9             | 60           | 7.96                | 93                   | 0.45             | 1000           | 0.27                  | Phenolic      | A    |
| 4609-RC     | 5.5             | 57           | 7.96                | 80                   | 0.67             | 850            | 0.27                  | Phenolic      | A    |
| 4610-RC     | 6.2             | 57           | 7.96                | 76                   | 0.83             | 700            | 0.27                  | Phenolic      | A    |
| 4611-RC     | 8.2             | 57           | 7.96                | 65                   | 1.2              | 600            | 0.27                  | Phenolic      | A    |
| 4612-RC     | 10              | 36           | 2.52                | 61                   | 1.5              | 500            | 0.27                  | Phenolic      | A    |
|             | ±5 %            |              |                     |                      |                  |                |                       |               |      |
| 4622-RC     | 10              | 69           | 2.52                | 40                   | 0.11             | 1500           | 0.29                  | Iron          | B    |
| 4624-RC     | 15              | 62           | 2.52                | 33                   | 0.17             | 1000           | 0.29                  | Iron          | B    |
| 4626-RC     | 24              | 65           | 2.52                | 25                   | 0.34             | 800            | 0.29                  | Iron          | B    |
| 4628-RC     | 39              | 70           | 2.52                | 20                   | 0.65             | 600            | 0.29                  | Iron          | B    |
| 4629-RC     | 55              | 72           | 2.52                | 17                   | 1.0              | 500            | 0.29                  | Iron          | B    |
| 4630-RC     | 62              | 83           | 2.52                | 16                   | 1.2              | 475            | 0.29                  | Iron          | B    |
| 4631-RC     | 82              | 85           | 2.52                | 13                   | 1.9              | 450            | 0.29                  | Iron          | B    |
| 4632-RC     | 100             | 107          | 0.79                | 12                   | 3.0              | 400            | 0.29                  | Iron          | B    |
| 4642-RC     | 100             | 49           | 0.79                | 11                   | 5.4              | 160            | 0.41                  | Phenolic      | C    |
| 4644-RC     | 150             | 53           | 0.79                | 8.8                  | 6.5              | 160            | 0.41                  | Phenolic      | C    |
| 4646-RC     | 240             | 56           | 0.79                | 7.2                  | 8.5              | 160            | 0.44                  | Phenolic      | C    |
| 4648-RC     | 390             | 57           | 0.79                | 5.6                  | 11.0             | 160            | 0.50                  | Phenolic      | C    |
| 4649-RC     | 550             | 58           | 0.79                | 4.8                  | 13.0             | 160            | 0.50                  | Phenolic      | C    |
| 4650-RC     | 620             | 59           | 0.79                | 4.5                  | 15.0             | 160            | 0.53                  | Phenolic      | C    |
| 4651-RC     | 750             | 56           | 0.79                | 4.0                  | 16.0             | 160            | 0.53                  | Phenolic      | C    |
| 4652-RC     | 1000            | 59           | 0.252               | 3.7                  | 19.0             | 160            | 0.56                  | Phenolic      | C    |
|             | L Test @1 KHz   | Q Test Freq. |                     |                      |                  |                |                       |               |      |
| 4662-RC     | 1000            | 83           | 0.252               | 2.6                  | 8.6              | 160            | 0.47                  | Iron          | D    |
| 4664-RC     | 1500            | 82           | 0.252               | 2.1                  | 11.0             | 160            | 0.47                  | Iron          | D    |
| 4666-RC     | 2400            | 80           | 0.252               | 1.7                  | 15.0             | 160            | 0.53                  | Iron          | D    |
| 4668-RC     | 3900            | 73           | 0.252               | 1.4                  | 20.0             | 160            | 0.56                  | Iron          | D    |
| 4669-RC     | 5500            | 69           | 0.252               | 1.1                  | 25.0             | 160            | 0.59                  | Iron          | D    |
| 4670-RC     | 6200            | 89           | 0.252               | 1.0                  | 37.0             | 100            | 0.53                  | Iron          | D    |
| 4671-RC     | 8200            | 83           | 0.252               | 0.94                 | 46.0             | 100            | 0.56                  | Iron          | D    |
| 4672-RC     | 10,000          | 68           | 0.0796              | 0.82                 | 50.0             | 100            | 0.59                  | Iron          | D    |

"-RC" suffix indicates RoHS compliance.

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