

# Common Mode Inductors/EMI Filters

## Special Features

- Reduces conductive EMI emission
- High inductance, compact size
- High attenuation at low frequency
- Rated voltage: 250 VAC
- Dielectric strength: 3750 Vrms
- UL 94V-0 rated plastic bobbin
- Operating temperature: -55 to +105 °C

## Typical Applications

- Line filter for switch mode power supplies
- Desk top computers
- TV, VCR, DVD and audio equipment
- Battery chargers
- Office equipment
- Industrial electronics
- EMI filters

## Notes

\* Rated Idc causes a 35 °C temperature rise

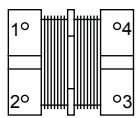
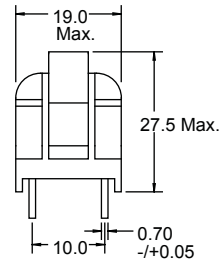
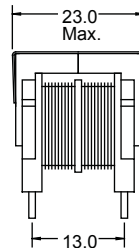
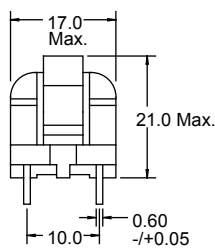
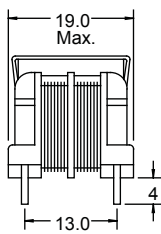
† RoHS Directive 2002/95/EC Jan 27 2003 including Annex.

| 7400 Series |              |         |        |
|-------------|--------------|---------|--------|
| Part Number | L (mH)       | DCR (Ω) | I (A)* |
|             | Min. @ 1 KHz | Max.    | Max.   |
| 7402-RC     | 0.6          | 0.046   | 2.8    |
| 7404-RC     | 1.0          | 0.049   | 2.4    |
| 7406-RC     | 2.0          | 0.11    | 1.8    |
| 7408-RC     | 5.0          | 0.28    | 1.1    |
| 7410-RC     | 8.0          | 0.44    | 0.9    |
| 7412-RC     | 10.0         | 0.50    | 0.8    |
| 7414-RC     | 20.0         | 1.11    | 0.6    |
| 7416-RC     | 30.0         | 1.73    | 0.5    |
| 7418-RC     | 45.0         | 2.68    | 0.4    |

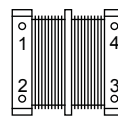
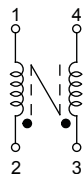
"-RC" suffix indicates RoHS compliance.

| 7500 Series |              |         |        |
|-------------|--------------|---------|--------|
| Part Number | L (mH)       | DCR (Ω) | I (A)* |
|             | Min. @ 1 KHz | Max.    | Max.   |
| 7502-RC     | 0.6          | 0.025   | 4.4    |
| 7504-RC     | 1.0          | 0.033   | 3.6    |
| 7506-RC     | 2.0          | 0.058   | 2.9    |
| 7508-RC     | 5.0          | 0.10    | 2.3    |
| 7510-RC     | 8.0          | 0.20    | 1.6    |
| 7512-RC     | 10.0         | 0.22    | 1.5    |
| 7514-RC     | 20.0         | 0.49    | 1.0    |
| 7516-RC     | 30.0         | 0.76    | 0.8    |
| 7518-RC     | 45.0         | 1.18    | 0.7    |

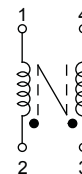
"-RC" suffix indicates RoHS compliance.



7400



7500



Dimensions: mm  
Tolerance: +/- 0.2



**WARNING Cancer and Reproductive Harm**  
[www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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