General Description
Continual advances in digital IC technology are creating stringent demands on EMI/RFI levels in equipment.

EMI/RFI low pass filters are required in personal computers, data terminals, test equipment and process controllers for high frequency suppression into or out of electronic equipment.

Electrical Specifications - Resistors
Standard Resistance Range* ................................................................. 10 ohms - 100 ohms
Series Resistance Tolerance ................................................................. ±10 %
Temperature Coefficient of Resistance .............................................. ±300 ppm/°C
Operating Voltage ............................................................................ 25 volts maximum
Operating Temperatures ................................................................. +10 °C to +85 °C
*Other Resistance Values Available, 10 ohms - 1 megohm

Electrical Specifications - Capacitors
Standard Capacitance Range ................................................................. 80 pF to 200 pF
Capacitance Tolerance ..................................................................... ±30 %
Temperature Characteristic ............................................................... ±75U
Operating Temperatures ................................................................. +10 °C to +85 °C
Voltage Rating ................................................................................ 25 volts
Dielectric Withstand Voltage ........................................................... 2.5 x rated voltage
Insulation Resistance ....................................................................... 10,000 megohms minimum

Environmental Specifications - Resistors
ΔR MAXIMUM ..................................................................................... ±0.5 %
Resistance to Solder Heat ................................................................. ±0.5 %
Terminal Strength ............................................................................. ±0.5 %

Mechanical Specifications
Flammability ................................................................................... Conforms to UL94 V-0
Leadframe ......................................................................................... Copper, solder coated
Body Material .................................................................................. Epoxy/Novolac
Lead Solderability ........................................................................... Meet requirements of MIL-STD-202 Method 208

For Standard Values Used in Capacitors, Inductors, and Resistors, click here.

WARNING Cancer and Reproductive Harm - www.P65Warnings.ca.gov

Specifications are subject to change without notice.
Users should verify actual device performance in their specific applications.
The products described herein and this document are subject to specific legal disclaimers as set forth on the last page of this document, and at www.bourns.com/docs/legal/disclaimer.pdf.
Features (Continued)
- RoHS compliant version available
  ("L" part number suffix)

For information on EMI/RFI Filters, download
Bourns’ EMI/RFI Filters Application Note

601 Series - RC Networks T-Filters

Attenuation Vs. Frequency - Typical Capacitor Values With R= 25 Ohms

These low-pass filters are ideal for installation between I/O drivers and RS 232 connectors.

How To Order EMI/RFI Filter Networks

Packages Available
- 4420P-601-*RC/CC-SMD
- 4120R-601-*RC/CC-DIP
- 4118R-601-*RC/CC-DIP

*First two digits are significant. Third digit represents the number of zeros to follow.

Seven circuits in an 18-pin package.
Eight circuits in a 20-pin package.
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