

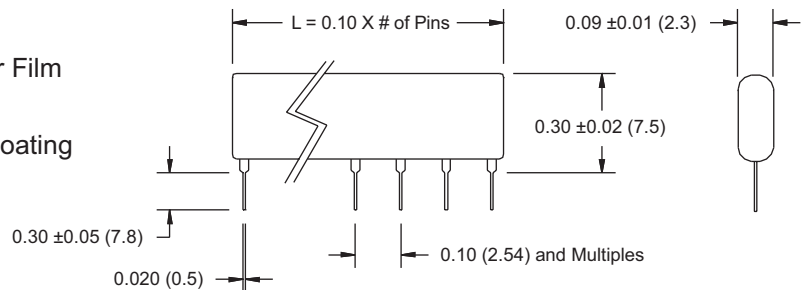
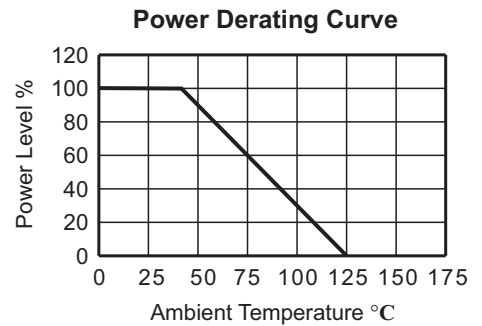
- Compact Design for High Population Boards
- Very Low Noise and Inductance
- Resistances from 100Ω to 100KΩ
- Absolute Tolerances to ± 0.1%
- Tolerance Ratios to ± 0.05%
- Low Temperature Coefficient to ± 5ppm/°C



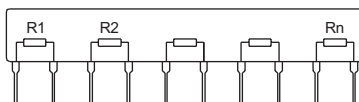
Riedon's high precision, metal film networks use stable NiCr film deposited on a high purity ceramic substrate. The resistor elements are formed using photolithography, then micro trimmed to tolerance. Planar construction ensures very low noise and inductance, making these networks ideal for high frequency applications.

SPECIFICATIONS

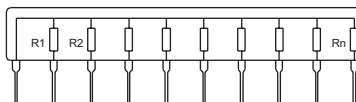
Free Air Power Rating -	0.10 Watts per Resistor (T _{ambient} = 40°C)
Total Package Power Rating -	1W Max (T _{ambient} = 40°C)
Resistance Range -	100Ω to 100KΩ
Resistance Ratios -	500X Between Highest and Lowest Value
Resistance Tolerances -	± 0.1%, 0.2%, 0.5%, 1%
Tolerance Matching -	to ± 0.05%
Temperature Coefficients -	± 5, 10, 15, 25 ppm/°C
TC Tracking -	to ± 3 ppm/°C
Temperature Range -	-55°C to 125°C
Number of Pins -	3 to 16 Pins
Construction -	Resistor Element: Ni Cr Film Substrate: Al ₂ O ₃ Body: Epoxy Powder Coating Leads: Tinned Copper



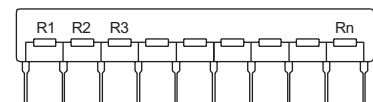
Isolated Circuit (A)



Common Circuit (B)



Divider Circuit (C)



Ordering information:

MF42 (# of Pins) (Circuit Type - I, C, or D) - Resistance - Tolerance - TCR

Example: **MF4212C - 22K Ohm - 0.5% - 15ppm**