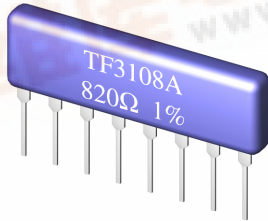


## TF3000 Series

Thick Film Resistor Networks



- Resistances from 25 Ohm to 10MOhms
- Power Rating to 1.35W
- Resistance Tolerances to  $\pm 1\%$
- Temperature Coefficients to  $\pm 100\text{ppm/K}$
- TCR Matching to  $\pm 5\text{ppm/K}$
- Up to 9 Resistors

### SPECIFICATIONS

| Type    | Wattage Rating<br>( Watts @ 40°C ) | L ( MAX )    | # of Pins | # of Resistors |
|---------|------------------------------------|--------------|-----------|----------------|
| TF3006A | 0.75                               | 0.590 [15.0] | 6         | 3              |
| TF3008A | 1.0                                | 0.780 [19.8] | 8         | 4              |
| TF3010A | 1.25                               | 0.996 [25.3] | 10        | 5              |
| TF3006B | 0.75                               | 0.590 [15.0] | 6         | 5              |
| TF3007B | 0.90                               | 0.685 [17.4] | 7         | 6              |
| TF3008B | 1.05                               | 0.780 [19.8] | 8         | 7              |
| TF3009B | 1.20                               | 0.878 [22.3] | 9         | 8              |
| TF3010B | 1.35                               | 0.996 [25.3] | 10        | 9              |

| Specification           | Value                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| Resistance Range        | 25 Ohm to 10MOhms                                                                                                                           |
| Tolerances              | $\pm 1\%$ : $100\Omega \geq R \geq 1M\Omega$<br>$\pm 2\%$ : $25\Omega \geq R \geq 5M\Omega$<br>$\pm 5\%$ : $25\Omega \geq R \geq 10M\Omega$ |
| Temperature Coefficient | $\pm 100\text{ppm/K}$                                                                                                                       |
| TCR Matching            | to $\pm 5\text{ppm/K}$                                                                                                                      |
| Insulation Resistance   | $> 50000\text{ MOhms}$                                                                                                                      |
| Temperature Range       | $-25^\circ\text{C}$ to $+125^\circ\text{C}$                                                                                                 |
| Voltage Coefficient     | $5 \times 10^{-6} / \text{V ( MAX )}$                                                                                                       |

### Ordering Information

TF30 ( # of Pins ) ( Circuit Type - A or B ) - Resistance - Tolerance - TCR

Example: TF3008B 10 kOhms 1% 100ppm

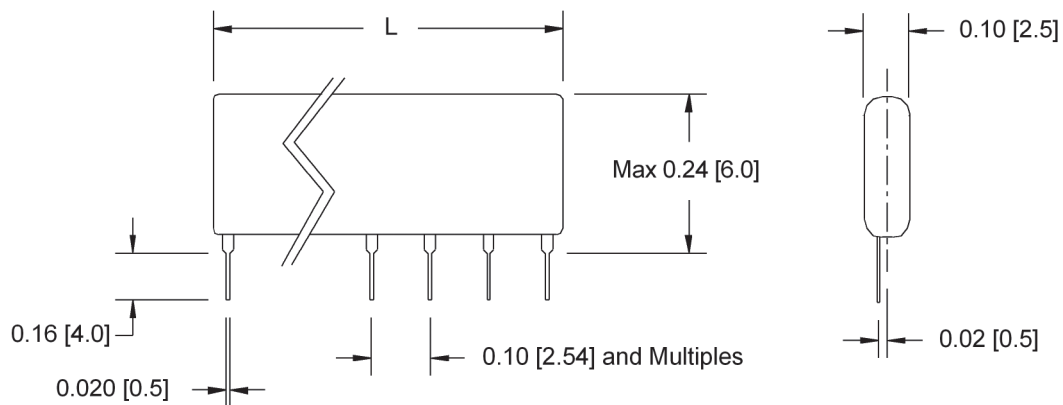


# TF3000 Series

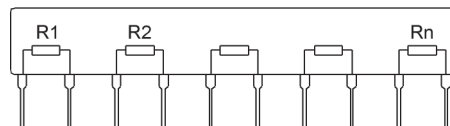
Thick Film Resistor Networks



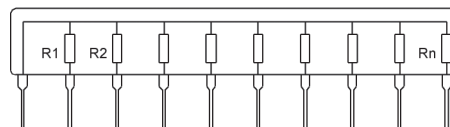
## SPECIFICATIONS



Isolated Circuit (A)



Common Circuit (B)



Power Derating Curve

