



# TX144 Voltage Divider

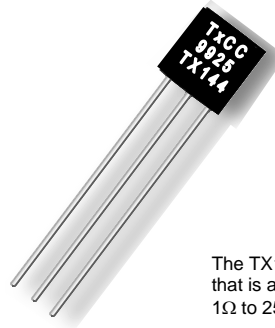
## Custom Ratio Voltage Divider

### FEATURES

- Typical Temperature Coefficient of Resistance per element:  
 $\pm 1 \text{ ppm}/^\circ\text{C} \pm 2.5 \text{ ppm} / ^\circ\text{C}$  (-55 °C to 125 °C, +25°C as ref.)
- Ratio Stability:  $<\pm 0.01\%$  (100 ppm) under load-life conditions.
- Ratio Match Tolerance: 0.005%

For values greater than 100K the specifications are as follows:

- Typical Temperature Coefficient of Resistance per element  
 $\pm 2 \pm 2.5 \text{ ppm}/^\circ\text{C}$  (-55 °C to 125 °C, +25°C as ref.)
- Ratio Stability:  $<\pm 0.01\%$  (100 ppm) under load-life conditions
- Ratio Match Tolerance: 0.005%



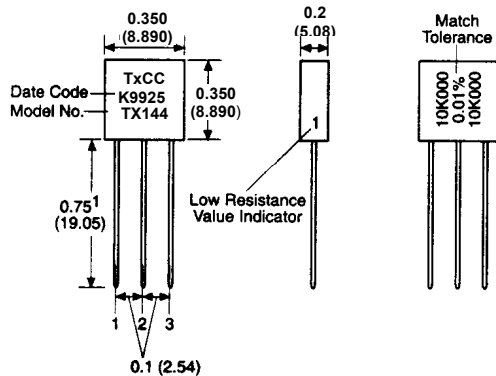
**RoHS**  
COMPLIANT

The TX144 is a custom built voltage divider that is available in resistance ranges of 1Ω to 250KΩ per resistor element.

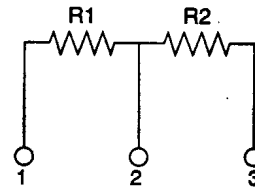
Model	Resistance Range Available (Ω)	Power Rating Per Element		Resistance Tolerance		TCR Tracking Available to	Maximum Voltage per element
		@+70°C	@+125°C	Absolute Available to:	Ratio Match Available to:		
<b>TX144</b>	1R to 250K per resistor element	0.6W up to 100K	0.3W	±0.005%	±0.005%	±1.0 ppm/°C for like values ±2.0 ppm/°C For unlike values above 500R per element	$\sqrt{P \times R}$ for each element up to a maximum of 300 Volts
		0.4W over 100K	0.2W				

The TX144 is available in any required ratio between the resistance values of, such that R1 as well as R2 can be any value between 1Ω and 250KΩ.

### Standard Printing and Dimensions



### Schematic



Dimensions are in inches (millimeters).  
Tolerance: ±0.010"

Lead wires: #22 AWG tinned copper, 0.75" minimum length.