

# JIN ZON ENTERPRISE CO., LTD.

TEL:886-2-2711-1093~5 FAX:886-2-2731-0902 ,2776-4624 地址:台北市長安東路二段171號4樓之3 Email:jinzon@ms2.hinet.net

## TX030 .03W Wire Wound High Precision Axial Resistor

TX030

### **Electrical & Physical Specifications:**

A-Length: 5.59mm (.220") ±1.57mm

B-Diameter: 1.27mm (.050") ±.062"

Lead dimensions: .020" dia. X 1.5" long

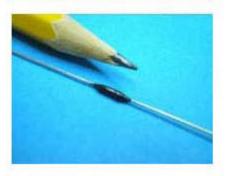
Max Watts @ 1% Tol: .03
Max Volts @ 1% Tol: 25

Temperature Range: -55°C, to +85°C

Resistance (Ω): 1.0 Min. to 5K Max.



# 0 1cm 2 3



### TX Series Engineering Attributes:

### RESISTANCE & TOLERANCES

You can select any Ohmic value or decimal part of an Ohm from .01 $\Omega$  to 6M $\Omega$  (MegaOhm or MEG) with tolerances to  $\pm$ .05%, For closer resistance tolerances refer to the Ultra Precision HR Series

### TCR CHARACTERISTIC

Standard:  $0\pm10$ ppm/°C. for  $100\Omega$  & higher.  $0\pm15$ ppm/°C. for values below  $100\Omega$ , calculated between  $\pm25$ °C. &  $\pm100$ °C. \*Please specify temp. span of operation. For lower specific TCRs to  $\pm1$ ppm/°C. refer to the Ultra Precision HR Series For higher TCRs to  $\pm6000$ ppm/°C. refer to the Compensator Series

### POWER VS. AMBIENT TEMPERATURE

All TX resistors are designed for full load based upon  $\pm 1\%$  resistance tolerance providing the ambient temp (+) the rise in temp, due to self-heating, does not exceed  $+85^{\circ}$ C. Refer to derating table below.

### STABILITY VS. TIME

To ±.005%/yr. @ 25°C. with no load.

### REDUCTION OF THERMAL EMF USING COPPER TERMINALS:

Less than ±3 microvolts/°C, emitted.

### PROTECTIVE SEAL

Commercial plastic conforming coating.

### MARKING (Identification)

PRC stamp, part type & name,  $\Omega$  value & tolerance, physical size permitting.

### INDUCTANCE

Std. TX resistors are inductively wound. Non-inductive windings are available, add suffix letter "N" in the part name.

\*Please specify the ambient temperature span of your operation when placing your order.

### Type TX Derating Table:\*

For ±1% resistance tolerance apply up to 100% of rated power to +85 Degrees Celsius.

For ±1/2% (0.5%) resistance tolerance apply up to 75% of rated power to +85 Degrees Celsius.

For ±1/4% (0.25%) resistance tolerance apply up to 50% of rated power to +85 Degrees Celsius.

For ±1/10% (0.1%) resistance tolerance apply up to 50% of rated power to +85 Degrees Celsius.

For ±1/20% (0.05%) resistance tolerance apply up to 35% of rated power to +85 Degrees Celsius.

\* Percent of Rated Power vs. Combined Temp. of Self- Heating and Ambient (in °C.).

### Details

 SKU
 TX030

 Type
 Axial-Lead

 Length
 5.59mm (.220")

 Lead Dimensions
 .020" dia. X 1.5" long

 Diameter
 1.27mm (.050")

TCR Char. to 0±10ppm/°C, (between +25°C, and +100°C.)

 $\begin{array}{lll} \mbox{Temperature} & -55\,^{\circ}\mbox{C, to } +85\,^{\circ}\mbox{C} \\ \mbox{Resistance} & 1\Omega\mbox{ to } 5\mbox{K}\Omega \\ \mbox{Tolerance} & \mbox{to } \pm.05\,^{\circ}\mbox{C} \\ \end{array}$ 

Stability to ±.005%/yr. at +25°C

Max Watts.03Max Volts.25Lead FreeYes