

# JIN ZON ENTERPRISE CO., LTD.

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# TX073 .07W Wire Wound High Precision Axial Resistor

TX073



# Electrical & Physical Specifications:

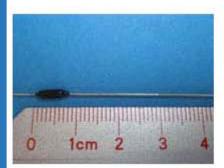
**A-Length:** 8,43mm (.332") **B-Diameter:** 2,29mm (.090")

Lead Dimensions: .020" dia. X 1.500" long

Max Watts @ 1% Tol: .07
Max Volts @ 1% Tol: 65

Temperature Range: -55°C, to +85°C

Resistance (Ω): .1 Min. to 65K Max.



#### TX Series Engineering Attributes:

#### RESISTANCE & TOLERANCES

You can select any Ohmic value 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±10ppm/°C. for 100Ω & higher.

Standard: 0±15ppm/°C. for values below 100Ω

\*TCR is calculated between +25°C. & +100°C.

- -For lower specific TCRs to ±1ppm/°C., please refer to the Ultra Precision HR Series to satisfy your specifications.
- -For higher TCRs to ±6000ppm/°C., please refer to the Compensator Series to satisfy your specifications.



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°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 ±¼% (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.

#### Details

 SKU
 TX073

 Type
 Axial-Lead

 Length
 8.43mm (.332")

 Lead Dimensions
 .02" dia. X 1.50" long

 Diameter
 2.29mm (.090")

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

 Temperature
 -55°C. to +85°C.

Temperature -55°C, to +85°C. Resistance .1 $\Omega$  to 65K $\Omega$ Tolerance to  $\pm$ .05%

Stability to ±.005%/yr. at +25°C (No Load)

Max Watts.07Max Volts65Lead FreeYes

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