

## JIN ZON ENTERPRISE CO., LTD.

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### TX063 .05W Wire Wound High Precision Axial Resistor



# **TX063**

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

A-Length: 8.43mm (.332")

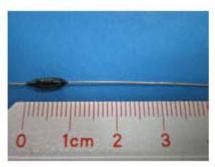
B-Diameter: 2.03mm (.080")

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

Max Watts @ 1% Tol: .05

Max Volts @ 1% Tol: 50

**Temperature Range:** -55°C, to +85°C **Resistance (\Omega):** .1 Min. to 50K 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.

#### 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 ±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.

#### Details

SKU TX063 Axial-Lead Type Length 8.43mm (.332") Lead Dimensions .020" dia. X 1.500" long

Diameter

2.03mm (.080") to 0±10ppm/°C. (between +25°C. and +100°C.) TCR Char.

-55°C, to +85°C Temperature Resistance .1 $\Omega$  to 50K $\Omega$ Tolerance to  $\pm .05\%$ 

Stability to  $\pm$ .005%/yr. at  $\pm$ 25°C

Max Watts .05 Max Volts 50 Lead Free Yes

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