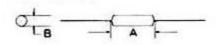


# JIN ZON ENTERPRISE CO., LTD.

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# TX2812 1.25W Wire Wound High Precision Axial Resistor



TX2812

# Electrical & Physical Specifications:

A-Length: 22.73mm (.895")

B-Diameter: 7.62mm (.300")

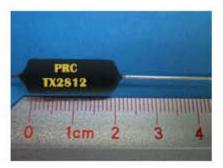
Lead dimensions: .032" dia. X 1.500" long

Max Watts @ 1% Tol: 1.25

Max Volts @ 1% Tol: 1000

Temperature Range: -55°C, to +85°C

Resistance (Ω): .1 Min. to 1.8 MEG 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 ±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 ±½% (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
 TX2812

 Type
 Axial-Lead

 Length
 22.73mm (.895")

 Lead Dimensions
 .032" dia. X 1.500" long

 Diameter
 7.62mm (.300")

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

Temperature -55°C. to +85°C Resistance  $.1\Omega$  to 1.8Meg $\Omega$  Tolerance to  $\pm .05$ %

Stability to  $\pm .005\%/\text{yr.}$  at  $+25^{\circ}\text{C}$ 

Max Watts 1.25 Max Volts 1000

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