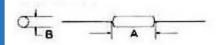


JIN ZON ENTERPRISE CO., LTD.

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TX3724 3W Wire Wound High Precision Axial Resistor



Electrical & Physical Specifications:

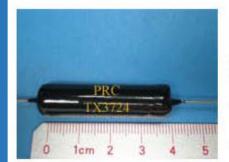
A-Length: 41.78mm (1.645")

B-Diameter: 11.10mm (.437")

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

Max Watts @ 1% Tol.: 3
Max Volts @ 1% Tol.: 1250

Temperature Range: -55°C, to +85°C **Resistance (\Omega):** .5 Min. to 5 MEG Max.



TX Series Engineering Attributes:

RESISTANCE & TOLERANCES

You can select any Ohmic value from .01 Ω to 6M Ω (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, Ω 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 $\pm 1/20\%$ (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
 TX3724

 Type
 Axial-Lead

 Length
 41.78mm (1.645")

 Lead Dimensions
 .032" dia. X 1.500" long

 Diameter
 11.10mm (.437")

TCR Char. to 0±10ppm√°C. (between +25°C. and +100°C.)
Temperature -55°C. to +85°C

Temperature -55°C . to $+85^{\circ}\text{C}$ Resistance $.5\Omega$ to $5\text{Meg}\Omega$ Tolerance to $\pm .05\%$

Stability to ±.005%/yr. at +25°C

 Max Watts
 3

 Max Volts
 1250

 Lead Free
 Yes