

JIN ZON ENTERPRISE CO., LTD.

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TX158 .5W Wire Wound High Precision Axial Resistor



TX158

Electrical & Physical Specifications:

A-Length: 16.38mm (.645")

B-Diameter: 4.47mm (.176")

Lead Dimensions: .028" dia. X 1.500" long

Max Watts @ 1% Tol: .5

Max Volts @ 1% Tol.: 500

Temperature Range: -55°C. to +85°C

Resistance (Ω): .1 Min. to 600K 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 $\pm 1\%$ 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, 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.

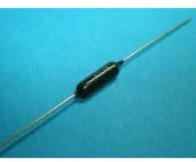
*Please specify the ambient temperature span of your operation when placing your order.

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 ±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
 TX158

 Type
 Axial-Lead

 Length
 16.38mm (.645")

 Lead Dimensions
 .028" dia. X 1.500" long

 Diameter
 4.47mm (.176")

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

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

Temperature -55°C, to +85°C Resistance $.1\Omega$ to 600K Ω Tolerance to $\pm .05\%$

Stability to ±.005%/yr. at +25°C

Max Watts5Max Volts500Lead FreeYes