

# JIN ZON ENTERPRISE CO., LTD.

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## TX154 .25W Wire Wound High Precision Axial Resistor



TX154

#### Electrical & Physical Specifications:

A-Length: 10.03mm (.395")

B-Diameter: 4.47mm (.176")

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

Max Watts @ 1% Tol: .25

Max Volts @ 1% Tol.: 250

Temperature Range: -55°C, to +85°C

Resistance (Ω): .1 Min. to 200K 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 ±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 ±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 TX154 Type Axial-Lead 10.03mm (,395") .028" dia. X 1.500" long Length Lead Dimensions

Diameter

4.47mm (.176") to 0±10ppm/°C. (between +25°C. and +100°C.) -55°C. to +85°C TCR Char.

Temperature Resistance .1Ω to 200KΩ to ±.05% Tolerance

to ±.005%/yr. at +25°C Stability

Max Watts .25 Max Volts 250 Lead Free Yes

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