

JIN ZON ENTERPRISE CO., LTD.

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TX175 .33W Wire Wound High Precision Axial Resistor

TX175

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Electrical & Physical Specifications:

A-Langth: 11.61mm (.457")

B-Diameter: 4.83mm (.190")

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

Max Watts @ 1% Tol.: .33

Max Volts @ 1% Tol.: 330

Temperature Range: -55°C, to +85°C

Resistance (Ω): .1 Min. to 350K 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°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 ±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
 TX175

 Type
 Axial-Lead

 Length
 11.61mm (.457")

 Lead Dimensions
 .028" dia. X 1.500" long

 Diameter
 4.83mm (.190")

Diameter 4.83mm (.190")
TCR Char. 4.83mm (.190")
to 0±10ppm/°C. (between +25°C. and +100°C.)

 $\begin{array}{lll} \mbox{Temperature} & -55 \mbox{°C}, \mbox{ to } +85 \mbox{°C} \\ \mbox{Resistance} & .1 \mbox{Ω to } 350 \mbox{$K$$$$\Omega$} \\ \mbox{Tolerance} & \mbox{to } \pm .05 \mbox{$\%$} \\ \end{array}$

Stability to ±.005%/yr. at +25°C

Max Watts .33 Max Volts .330 Lead Free Yes

^{*} Percent of Rated Power vs. Combined Temp. of Self- Heating and Ambient (in °C.).