

JIN ZON ENTERPRISE CO., LTD.

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TX143 .2W Wire Wound High Precision Axial Resistor



TX143

Electrical & Physical Specifications:

A-Length: 8.43mm (.332") **B-Diameter:** 4.06mm (.160")

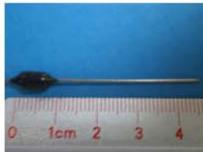
Lead Dimensions: .028" dia. X 1.500" long

Max Watts @ 1% Tol: .2

Max Volts @ 1% Tol.: 200

Temperature Range: -55°C, to +85°C

Resistance (Ω): ,1 Min. to 130K 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 $\pm .005\%/yr$, @ 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 ±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 TX143 Axial-Lead Type 8.43mm (.332") Length .028" dia. X 1.500" long Lead Dimensions

Diameter

4.06mm (.160") to 0±10ppm/°C (between +25°C, and +100°C.) -55°C, to +85°C TCR Char.

Temperature Resistance .1Ω to 130KΩ Tolerance to ±,05%

Stability to \pm ,005%/yr. at \pm 25°C

Max Watts .2 200 Max Volts Lead Free Yes

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