JIN ZON ENTERPRISE CO., LTD.

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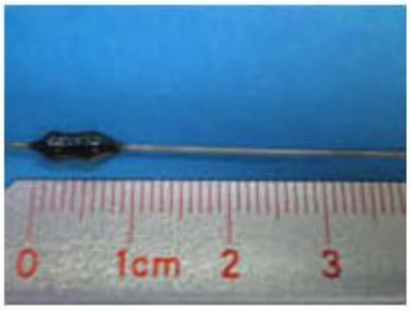
TX123 .166W Wire Wound High Precision Axial Resistor

TX123

Electrical & Physical Specifications:

A-Length:	8.43mm (.332")
B-Diameter:	3.68mm (.145")
Lead Dimensions:	.025" dia. X 1.500" long
Max Watts @ 1% Tol:	.166
Max Volts @ 1% Tol:	165
Temperature Range:	-55°C. to +85°C
Resistance (Ω):	.1 Min. to 120K Max.



TX Series Engineering Attributes:

RESISTANCE & TOLERANCES

You can select any Ohmic value from .01Ω to 6MΩ (MegaOhm or MEG) with tolerances to ±.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 ±½% (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.

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

Details

SKU	TX123
Type	Axial-Lead
Length	8.43mm (.332")
Lead Dimensions	.025" dia. X 1.500" long
Diameter	3.68mm (.145")
TCR Char.	to 0±10ppm/°C. (betw een +25°C. and +100°C.)
Temperature	-55°C. to +85°C
Resistance	.1Ω to 120KΩ
Tolerance	to ±.05%
Stability	to ±.005%/yr. at +25°C
Max Watts	.166
Max Volts	165
Lead Free	Yes