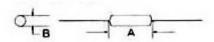


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TX062 .04W Wire Wound High Precision Axial Resistor



TX062

Electrical & Physical Specifications:

A-Langth: 6.86mm (.270") ±1.57mm (±.062")

B-Diameter: 2.03mm (.080") ±.787mm (±.031")

Lead Dimensions: .020" dia. X 1.5" long

Max Watts @ 1% Tol: .04

Max Volts @ 1% Tol: 35

Temperature Range: -55°C. to +85°C

Resistance (Ω): 1.0 Min, to 30K 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 $\pm 1\%$ 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 ±1/10% (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 TX062
Type Axial-Lead

Length 6.86mm (.270")

Lead Dimensions .020" dia. X 1.500" long

Diameter 2.03mm (.080")

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

Resistance 1Ω to $30K\Omega$ Tolerance to $\pm .05\%$

Stability to $\pm .005\%/\text{yr.}$ at $+25^{\circ}\text{C}$

Max Watts .04
Max Volts .35
Lead Free Yes

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