

JIN ZON ENTERPRISE CO., LTD.

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SX3716 2W Wire Wound High Precision Axial Resistor



SX3716

Electrical & Physical Specifications:

A-Length: 29.08mm (1.145")

B-Diameter: 11.10mm (.437")

Lead Dimensions: .032" dia. X 1.500" long

Max Watts @ 1% Tol: 2

Max Volts @ 1% Tol: 1250

Temperature Range: -55°C, to +125°C

Resistance (Ω): .5 Min to 3.5 MEG Max



SX Series Engineering Attributes:

RESISTANCE & TOLERANCES

You can select any Ohmic value or decimal part of an Ohm 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 specific TCRs to ±6000ppm/°C., please refer to the Compensator Series to satisfy your specifications.

POWER VS. AMBIENT TEMPERATURE

All SX High Precision 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 +125°C. Derated to zero power @ +125°C. Refer to Derating Table shown 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 COATING SEAL

Stress free solvent resistant silicone/epoxy seal.

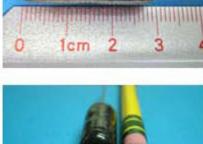
MARKING (Identification)

PRC stamp, part type & name, Ω value & tolerance, physical size permitting.

INDUCTANCE

Standard SX series resistors are inductively wound. Non-inductive windings are available, simply add suffix letter "N" in the part name.

*Please specify the ambient temperature span of your operation when placing your order.



Type SX Derating Table:*

For ±1% resistance tolerance apply up to 100% of rated power to +125°C, derated to zero power at 145°C.

For ±½% (0.5%) resistance tolerance apply up to 75% of rated power to +125°C, derated to zero power at 140°C.

For \pm 4% (0.25%) resistance tolerance apply up to 50% of rated power to \pm 1.25°C, derated to zero power at 135°C.

For $\pm 1/10\%$ (0.1%) resistance tolerance apply up to 50% of rated power to ± 1.25 °C. derated to zero power at 1.35°C.

For $\pm 1/20\%$ (0.05%) resistance tolerance apply up to 35% of rated power to ± 125 °C derated to zero power at 132°C.

Details

SKU SX3716
Type Axial-Lead
Length 29.08mm (1.145")
Lead Dimensions .032" dia, X 1.500" long

Diameter 11.10mm (.437")
TCR Char. to 0±10ppm√°C. (betw een +25°C. and +100°C.)

TCR Char. to 0 ± 10 ppm/°C. (b Temperature -55°C. to +125°C Resistance .5 Ω to 3.5Meg Ω Tolerance to \pm .05%

Stability to ±,005%/yr, at +25°C

 Max Watts
 2

 Max Volts
 1250

 Lead Free
 Yes

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