

JIN ZON ENTERPRISE CO., LTD.

TEL:886-2-2711-1093~5 FAX:886-2-2731-0902 ,2776-4624 地址:台北市長安東路二段171號4樓之3 Email:jinzon@ms2.hinet.net

SX105 .166W Wire Wound High Precision Axial Resistor



SX105

Electrical & Physical Specifications:

A-Langth: 11.61mm (.457")

B-Diameter: 3.30mm (.130")

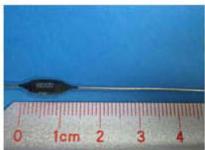
Lead Dimensions: .025" dia. X 1.500" long

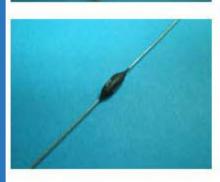
Max Watts @ 1% Tol: .166

Max Volts @ 1% Tol: 165

Temperature Range: -55°C, to +125°C

Resistance (Ω): .1 Min to 210K 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 ±,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 ±1/2% (0.5%) resistance tolerance apply up to 75% of rated power to +125°C. derated to zero power at 140°C.

For ±4% (0.25%) resistance tolerance apply up to 50% of rated power to +125°C. derated to zero power at 135°C.

For ±1/10% (0.1%) resistance tolerance apply up to 50% of rated power to +125°C, derated to zero power at 135°C.

For ±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 SX105 Axial-Lead Type Length 11.61 mm (.457") .025" dia. X 1.500" long 3.30mm (.130") Lead Dimensions

Diameter

to 0±10ppm/°C. (between +25°C. and +100°C.) -55°C. to +125°C TCR Char.

Temperature Resistance .1 Ω to 210K Ω to ±,05% Tolerance

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

Max Watts .166 Max Volts 165 Lead Free Yes

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