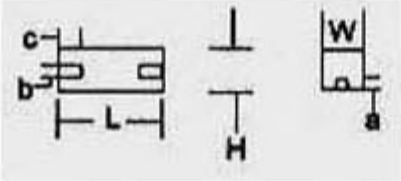
JIN ZON ENTERPRISE CO., LTD.

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

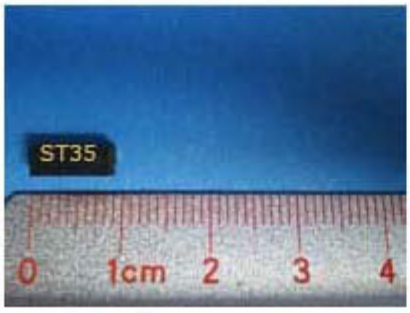
ST35 1K Ohm (std.) .1W +3500 PPM Rectangular Wire Wound SMD Compensator

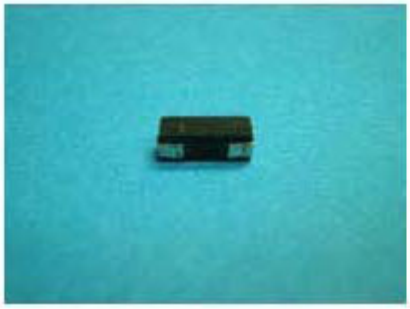


Electrical & Physical Specifications:

H-Height	3.18mm (.125")
L-Length	9.14mm (.360")
W-Width	3.18mm (.125")
Tab dimensions:	a= .075" b= .075" c= .100" d= .260"

Compensator Attributes:





LINEAR COMPENSATION

PRC's type PT/ST (+) TCR Characteristics +3500 PPM/°C. linear tracking temperature sensitive resistors help you develop the desirec compensation for true RMS measurements...and can offset errors in dB output circuits.

TOLERANCE FOR (+) 3500 PPM/°C.

Less than ±100 PPM/°C from +25°C. to 100°C. For example, If you are looking for a systems offset of +3350 PPM/°C to 3450 PPM/°C...try a few engineering samples of our (std.) off-the-shelf compensators. We are confident you can achieve dramatic results. The element wire used on our type PT/ST, as a rule, is very close to +3350 PPM/°C. @ 25°C. & lower than +3450 PPM/°C. @ 100°C. See figure #4 shown below.

OFF THE SHELF FOR IMMEDIATE DELIVERY

Thru-hole & SMD designs are available for evaluation & testing. We have our PT series for 2 terminal type or our AT35 for 4 terminal type. If you have plans for SMT our type ST35 is a drop in replacement for the thru-hole part w/ interchangeable specs. All our (std.) 1000Ω ±1% +3500 PPM Compensators are in stock!

CUSTOM COMPENSATORS

We can customize any of our compensators to fit your specs in any Ohmic value from 1Ω to 50KΩ We have pure metals, alloys, & composite windings available. All of which are extremely linear, reasonably priced & delivered quickly.

TRACKING CHART

Constant temperature oil bath computer tracking charts are available to match your temperature span & behavior specs exactly.

TCR CHARACTERISTICS AVAILABLE

Calculated between +25°C. & +100°C. : +80 PPM/°C., +140 PPM/°C., +400 PPM/°C., +1400 PPM/°C., +3500 PPM/°C., +3930 PPM/°C., +4300 PPM/°C., +4500 PPM/°C., +5000 PPM/°C., +6000 PPM/°C.,

COMPENSATORS VS. POWER

PRC's positive (+) TCR resistors are used to offset negative (-) ambient temperature changes or counter self-generating shifts in resistance w/ an excitation of power to .25W @ +125°C. (Derated to 0W @ +150°C.)

STABILITY (No Load)

Standard: ±.05%/year @ 25°C.; Special: < ±.01%/year @ 25°C.

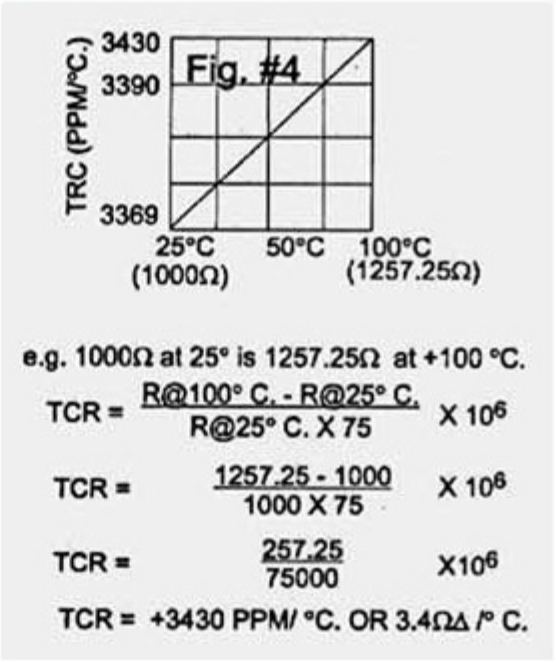
PROTECTIVE SEAL

Standard: Conformal silicone or epoxy case. Special: Thermal conductive insulating coatings or uncoated.

MARKING

PRC stamp, part type, resistance value, tolerance & TCR characteristics, physical size permitting.

Detailed Images



Res/Temp Curve & TCR Equation for nominal 1K ±1% +3500 PPM Compensator

Details

SKU	ST35
Type	SMD
Length	9.14mm (.360")
Width	3.18mm (.125")
Tab Dimensions	a= .075" b= .075" c= .100" d= .260"
Height	3.18mm (.125")
TCR Char.	+3500ppm /°C.
Temperature	-65°C. to +150°C.
Resistance	1KΩ (Std.) from 1Ω to 50KΩ
Tolerance	0±1% (std.) to ±.05%
Stability	to ±.01% per year @ +25°C
Max Watts	.1
Max Volts	100