JIN ZON ENTERPRISE CO., LTD.

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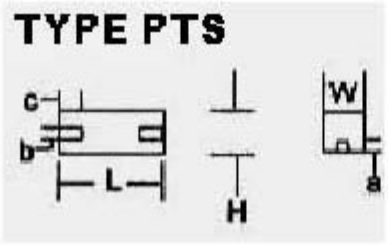
PTS2 .1W Custom (+) TCR Temperature Sensitive Wire Wound Compensator Surface Mounted Device (SMD)



Electrical & Physical Specifiactions:

H-Height:	6.35mm (.220")
L-Length:	9.78mm (.385")
W-Width:	5.72mm (.225")
Tab dimensions:	a=.125"; b=.112"; c=.100"; d=.310"

Compensator Attributes:

LINEAR COMPENSATION

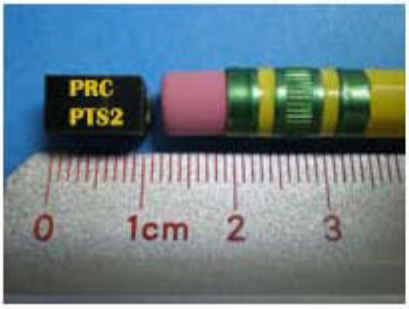
PRC's type PT/ST (+) TCR Characteristics +3500 PPM/°C. linear tracking temperature sensitive resistors help you develop the desirec compensation for true RMS measurements and can offset errors in dB output circuits.

TOLERANCE FOR (+) 3500 PPM/°C.

Less than ±100 PPM/°C from +25°C. to +100°C. 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.

TRACKING CHART

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



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 zero watts @ +150°C.

STABILITY

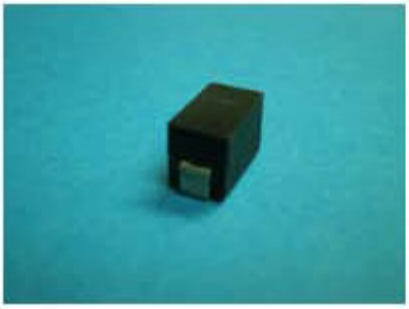
Standard: ±.05%/year @ +25°C. with no load.

Special: Less than ±.01%/year @ +25°C. with no load.

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.

TAPE & REEL

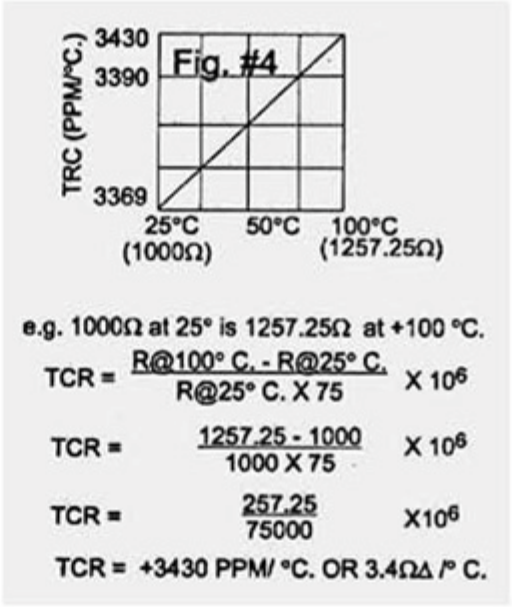
Have your parts delivered to you in tape & reel form by simply specifying Tape & Reel instead of bulk when placing your order. For detailed information on all the individual specifications for the tape & reel delivery option, click the Tape & Reel Chart

TCR CHARACTERISTICS AVAILABLE

Temperature Coefficient of Resistance (TCR*)	
+80 ppm/°C	+3930 ppm/°C
+140 ppm/°C	+4300 ppm/°C
+400 ppm/°C	+4500 ppm/°C
+1400 ppm/°C	+5000 ppm/°C
+3500 ppm/°C	+6000 ppm/°C

*The TCR characteristics listed are based upon the average PPM change in resistance/°C. between +25°C & +100°C.

Detailed Images



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

Details

SKU	PTS2
Type	SMD 2-tab
Length	9.78mm (.385")
Tab Dimensions	a=.125"; b=.112"; c=.100"; d=.310"
Diameter	5.72mm (.225")
Height	6.35mm (.220")
TCR Char.	+80 PPM to +6000 PPM /°C.
Power Rating	0-.1W
Temperature	-65°C. to +150°C.
Resistance	1Ω to 6KΩ
Tolerance	to ±.05%
Stability	to less than ±.01% change per year at 25°C
Max Watts	.1
Lead Free	Yes