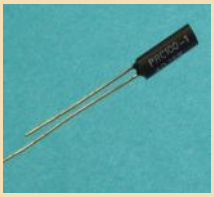

Click on picture to enlarge

PRC100.12 (probe) body dimensions:

Length: 11.43mm (.450")

Diameter: 3.96mm (.156")

Lead dimensions: 0.023" dia. x .630" long (min.)

PRC100-1 (probe) body dimensions:

Length: 15.24mm (.600")

Diameter: 4.78mm (.188")

Lead dimensions: 0.023" dia. x .630" long (min.)

PRC100.12 & PRC100-1 Electrical and Physical Specifications:

Resistance value:	100O @ 0°C
Tolerance:	±0.12%
TCR characteristics:	+3850 ppm/°C. (between 0°C & +100°C)
Stability (no load):	to <±0.005%/yr. at 25°C
Temperature:	-65°C. to +150°C.
PRC100.12 Max Watts:	0-0.1W
PRC100-1 Max Watts:	0-0.25W

Click Here for ***PRC100 Tracking Chart***

SMT "Carrier Tape" Packaging per IEC 286-3 (EIA 481)

On Reels: 12.750" O.D. x 4" I.D. x 1" W - 1/2" bore. Skin packed to board with polyfilm.

24mm (.945" W) - 8mm pitch: For types: HVS1, LVS1, PRC100T, PTS1, PVS1, & ST35

24mm (.945" W) - 8mm pitch: For types: HVS2, HVS3, LVS2, LVS3, PTS2, PTS3, PVS2, & PVS3

32mm (1.260" W) - 12mm pitch: For types: LVS5 & PVS5

RESISTANCE TEMPERATURE CHARACTERISTIC (Rt)

. Rt is defined by IEC standard, pub. 751: alpha = 0.00385 ohm/ohm/°C.

... For range -40°C. to 0°C. $RT = Ro[1+At+Bt^2+C(t-100°C.)\ t^3]$

... For range 0°C. to +150°C: $RT = Ro(1+At+Bt^2)$

where the constants in these equations are:

$A = 3.79782 \times 10^{-3}$ $B = 6.502 \times 10^{-7}$ $C = 4.3735 \times 10^{-12}$

. $Rt = Ro[1+At+Bt^2]$

$Rt = 100[1+(3.79782 \times 10^{-3} \times 100)+(6.502 \times 10^{-7} \times 100^2)]$

$Rt = 100[1+.379782 +.006502]$

Rt = 100 x 1.386284

Rt = 138.628 ohms at 100°C.

. $Rt = Ro[1+At+Bt^2+C(t-100)\ t^3]$

Rt = 100[1+(-.1519128)+(.00104032)+(.00003918656)]

Rt = 100 x .8491667

Rt = 100[1+(3.79782 x 10-^{3} x -40)+(6.502 x 10-7 x -40^2)+ (4.3735 x 10-^{12}x (-40-100) x -40^3)]

Rt = 84.916 ohms at -40°C.

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