

Strip Sensing Thermal-Ribbons™

Eliminate point measurement errors



Overview

These models average temperatures along their length to eliminate point measurement errors. Wrap them around cylinders or adhere them to flat surfaces.

Specifications

Design kit part number: S386PD12Y36B.

Temperature range: -62 to 220°C (-80 to 428°F).

Dimensions W × L × T max. (measured over the lead bulge):
0.375 × 4.00 × 0.075" (9.5 × 101.6 × 1.9 mm).

Available element options:

Sensing element specifications	Code
Platinum 385, 100 Ω ±0.12% at 0°C (EN60751, Class B)	PD12
Platinum 385, 100 Ω ±0.22% at 0°C	PE22

Insulation: Silicone rubber with polyimide backing.

Leadwire: AWG 26, PTFE insulated.

Time constant: 0.6 second in water at 1 m/second.

Specification options

S386	Model number
PD12	Sensing element from table
Y	Number of leads: Y = 2 leads Z = 3 leads X = 4 leads
36	Lead length in inches 36" stocked
A	Adhesive backing: A = No adhesive B = Pressure-sensitive adhesive (PSA)
S386PD12Y36A = Sample part number	

Notes: PSA reduces temperature range to -20 to 177°C (-4 to 350°F) and adds 0.005" (0.1 mm) to thickness.