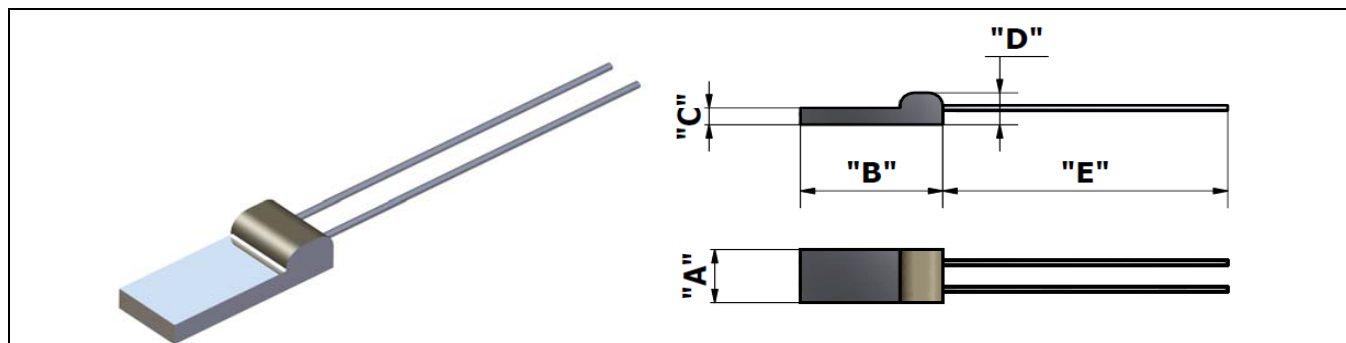


# Data sheet

## SONDE PLATE

RS Stock No. 181-2012



FLAT PT100Ω THERMIC ELEMENT

**RANGE :**

- -50°C / +600°C

**USE :**

- Heating, air conditioning, test, energy, prototype...

**KEY POINT :**

- Primary sensitive element

**SPECIFICATIONS:**

- PT100Ω thermic element - B Class
- Platinum coat on substratum ceramic
- Platinum nickel wires

**DIMENSIONS:**

- Probe length B = 2mm ±0.2mm
- Probe width A = 2mm ±0.2mm
- Wires length E = 10mm ±1mm
- Wires diameter = 0.2mm ±0.02mm
- Probe thickness C = 0.63mm ±0.1 & "D" = 1.2±0.15mm

**METROLOGICAL DATA :**

- As per IEC 751
- *Standard tolerance PT100 A class*: ±0.30 + 0.005.[t°C]
- Timing =  
Water (v=0.4m/s): T0.5=0.25s ; T0.9=0.70s  
Air (v=1m/s): T0.5=5.5 ; T0.9=16s

**Other Dimensions :**

Precision	CLA	CLB	1/3DIN
	Substrat length "B"		
2mm	181-2028	181-2012	293-8430
5mm		293-8519	
10mm	181-1996	181-1980	293-8418