

Pt100 Platinum Sensing Resistors



Pt100 Elements, Thin Film (100 Ohm)

- Pt100 elements to IEC 751 Class A & B
- For use from -50°C to $+550^{\circ}\text{C}$
- Thin film construction
- Suits surface & immersion applications where protected
- Vibration resistant

Specifications of elements

Sensor type:	Pt100 (100 Ohms @ 0°C)
Construction:	Thin film, 10mm tails
Temperature range:	-50°C to $+550^{\circ}\text{C}$
Ice point resistance:	100Ω
Fundamental interval (0°C to 100°C)	38.5Ω (nominal)
Self heating	$<005^{\circ}\text{C/mW}$
Thermal response	0.1s
Stability	$\pm 0.05\%$
Dimensions & tolerance class	2 x 5.0mm, 2 x 10mm, 2 x 2.3mm, 1.2 x 4.0mm & 1.2 x 1.6mm 1.6 x 3.2mm (surface mount - range -50°C to $+150^{\circ}\text{C}$)

Dimensions & codes	FARNELL Code	Labfacility code	Lab Data Code	Lab Stock Code
Pt100, 2 x 5.0mm, Class A	TBA	DM-508	FAR62/A	XF-537-D
Pt100, 2 x 2.3mm, Class A	TBA	DM-303	FAR62/B	XF-538-D
Pt100, 1.2 x 4.0mm, Class A	TBA	DM-312	FAR62/C	XF-539-D
Pt100, 1.2 x 4.0mm, Class B	TBA	DM-313	FAR62/D	XF-540-D
Pt100, 1.2 x 1.6mm, Class A	TBA	DM-314	FAR62/E	XF-541-D
Pt100, 1.2 x 1.6mm, Class B	TBA	DM-315	FAR62/F	XF-542-D

PCB surface mount with solders pads (range -50°C to +150°C)



Dimensions & codes	FARNELL Code	Labfacility code	Lab Data Code	Lab Stock Code
Pt100, 1.6 x 3.2mm, Class B	TBA	DM-317	FAR62/H	XF-544-D

Data Ref; FAR62