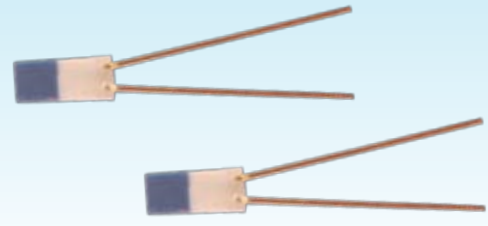
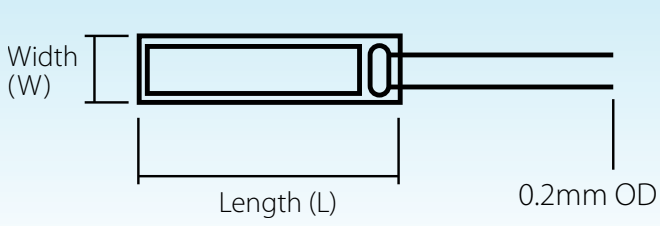


# PLATINUM RESISTANCE ELEMENTS



## Thin Film Elements

Part No.	Size (W x L)	Ω	Grade	Price Sterling	Price Euros
EF-1-4-100-B	1mm x 4mm	100	B	£1.25	€1.63
EF-1632-100-2B	1.6mm x 3.2mm	100	2B	£0.80	€1.04
EF-1632-100-B	1.6mm x 3.2mm	100	B	£1.00	€1.30
EF-1632-100-A	1.6mm x 3.2mm	100	A	£1.20	€1.56
EF-1632-100-1/3	1.6mm x 3.2mm	100	1/3 DIN	£1.50	€1.95
EF-2023-2B	2mm x 2.3mm	100	2B	£0.60	€0.78
EF-2023-100-A	2mm x 2.3mm	100	A	£0.85	€1.11
EF-2023-100-B	2mm x 2.3mm	100	B	£0.70	€0.91
EF-25-100-B	2mm x 5mm	100	B	£1.00	€1.30
EF-25-100-A	2mm x 5mm	100	A	£1.20	€1.56
EF-25-100-1/3	2mm x 5mm	100	1/3 DIN	£1.50	€1.95
EF-25-500-B	2mm x 5mm	500	B	£1.75	€2.28
EF-25-500-A	2mm x 5mm	500	A	£2.00	€2.60
EF-25-1000-B	2mm x 5mm	1000	B	£1.50	€1.95
EF-25-1000-A	2mm x 5mm	1000	A	£2.20	€2.86
EF-25-1000-2B	2mm x 5mm	1000	2B	£0.80	€1.04

### SPECIFICATION

Recommended Operating Temperature: -40 to +400°C

Class: 1/3 DIN, A and B

Measuring Current: Max 2mA

Material of leads: Gold plated Nickel.

Tolerances in accordance with JIS C 1604 and IEC751.

Temperature Coefficient Resistance:  $R_{100}/R_0 = 1.3851$ .

The surface of Platinum thin film is coated with ceramic, so the element can withstand high voltage and show high insulation resistance.

### Tolerance

Class	Tolerance of Resistance at 0°C	Temp Rating
1/3DIN	+/-0.04 ohm	-20°C to 250°C
A	+/-0.06 ohm	-20°C to 400°C
B	+/-0.12 ohm	-40°C to 400°C
2B	+/-0.25 ohm	-40°C to 400°C

All elements are supplied after inspecting and printing the actual resistance value at 0 deg. C.

Elements are made exclusively of ceramic and Platinum giving excellent stability even at high temperature.

The Platinum thin film is sputtered on the ceramic surface giving outstanding resistance to vibration and shock.

### Thin Film Elements can be used together with:

p.77

MI RTD Cable



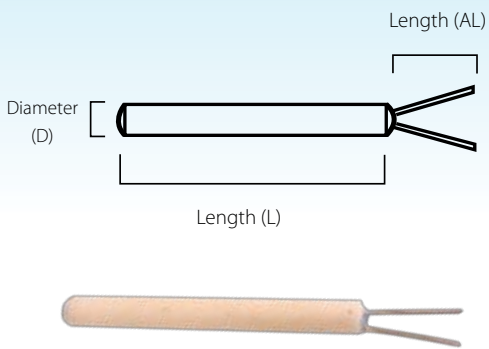
p.55

RTD Cable



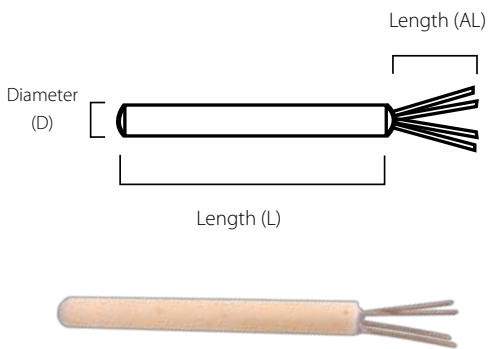
# WIRE WOUND ELEMENTS

## Simplex Wire Wound Elements (2 Wire)



Part No.	Size (D x L)	AL	Ω	Grade	Price Sterling	Price Euros
WSB-0915	0.9mm x 15mm	15mm	100	B	£6.00	€7.80
WSA-0915	0.9mm x 15mm	15mm	100	A	£6.50	€8.45
WSB-1015	1mm x 15mm	15mm	100	B	£5.90	€7.67
WSB-1415	1.4mm x 15mm	15mm	100	B	£4.50	€5.85
WSA-1415	1.4mm x 15mm	15mm	100	A	£5.90	€7.67
WSB-2625	2.6mm x 25mm	15mm	100	B	£3.80	€4.94
WSB-2815	2.8mm x 15mm	15mm	100	B	£3.90	€5.07
WSA-2815	2.8mm x 15mm	15mm	100	A	£4.00	€5.20
WSB-2825	2.8mm x 25mm	15mm	100	B	£3.70	€4.81
WSB-3225	3.2mm x 25mm	15mm	100	B	£4.00	€5.20

## Duplex Wire Wound Elements (4 Wire)



Part No.	Size (D x L)	AL	Ω	Grade	Price Sterling	Price Euros
WDB-1415	1.4mm x 15mm	15mm	100	B	£9.00	€11.70
WDA-1415	1.4mm x 15mm	15mm	100	A	£12.00	€15.60
WDA-1620	1.6mm x 20mm	15mm	100	A	£13.00	€16.90
WDB-2815	2.8mm x 15mm	15mm	100	B	£7.50	€9.75
WDB-3225	3.2mm x 25mm	15mm	100	B	£10.00	€13.00

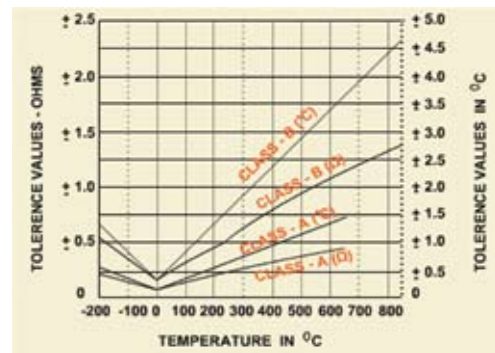
Other Sizes available upon request:

OD (mm)	0.9	0.9	1.0	1.0	1.6	1.6	1.6	1.6	2.6	2.6	2.6	2.6	2.8
Length (mm)	25	30	25	30	5	15	25	30	5	15	25	30	30

## Tolerances for 100 Ω RTD's

Temperature	Tolerance			
	Class A		Class B	
	(± °C)	(± °C)	(± °C)	(± °C)
-200	0.55	0.24	1.3	0.56
-100	0.35	0.14	0.8	0.32
0	0.15	0.06	0.3	0.12
100	0.35	0.13	0.8	0.30
200	0.55	0.20	1.3	0.48
300	0.75	0.27	1.8	0.64
400	0.95	0.33	2.3	0.79
500	1.15	0.38	2.8	0.93
600	1.35	0.43	3.3	1.06
650	1.45	0.46	3.6	1.13
700	-	-	3.8	1.17
800	-	-	4.3	1.28
850	-	-	4.6	1.34

## Tolerance values as a function of temperature for 100 Ω RTD's



The operating temperature range for WW elements; Material of leads: 5%Pt coated Palladium wire

Class B - 200 Deg C to 650 Deg C,  
Class A - 150 Deg C to 450 Deg C

Tolerances in accordance with IEC751, DIN43760, JIS1604-1989 and BS1904-1984.