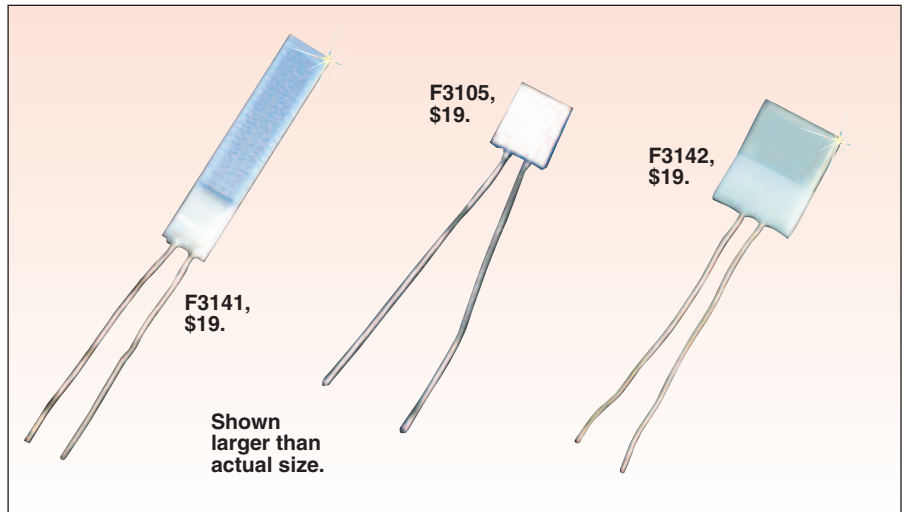


OMEGA® Thin Film DIN Class “A” RTD Elements

- ✓ DIN Class “A” Accuracy
- ✓ Various Sizes Available
- ✓ Resistance Range from 100 to 1000 Ω at 0°C

Series F: Series F elements are small, flat, thin film elements with 0.2 mm (0.008") diameter by 10 mm (0.4") long lead wires. They can be used at temperatures between -50 and 500°C (-58 to 432°F) however, Class A accuracy is assured between -30 to 300°C (-22 to 572°F). These elements are available in 100.00 ±0.06, 500.00 ±0.30, and 1000.00 ±0.60 Ω at 0°C. Their resistance vs. temperature characteristics conform to IEC60751, and they have a temperature coefficient of resistance between 0 and 100°C of 0.00385 Ω/Ω/°C. See page Z-249 in the technical section for a resistance vs. temperature curve and equations.



OMEGA® thin film RTDs can be used as is with various OMEGA controllers and instruments, or in an unlimited number of housings and package styles to meet user needs. Speak to one of our Applications Engineers for custom assemblies or application assistance.

Discount Schedule	
1 to 10 units	.....Net
11 to 24 units	.....10%
25 to 49 units	.....15%
50 to 99 units	.....20%
100 units and up	.....25%

OMEGAFILM® – Platinum RTD Elements (Alpha = 0.00385)

 MOST POPULAR MODELS HIGHLIGHTED!

Series	10 mm Lead Length Dimensions in Millimeters (1 mm = 0.03937")	Single or Dual	Nominal Resistance (Ω)	Temperature Range	Model Number	Price	
F		1	x	100	↑ Max range: -50 to 500°C (-58 to 932°F) however, Class A tolerance applies to -30 to 300°C (-22 to 572°F) ↓	F3101	\$19
		1	x	500		F3131	19
		1	x	1000		F3141	19
F		1	x	100		F3102	\$19
		1	x	500		F3132	19
F		1	x	1000	F3142	\$19	
F		1	x	100	F3105	\$19	
F		1	x	100	F3107	\$19	

Ordering Examples: F3101, 1 x 100 platinum RTD element, \$19.
F3105, 1 x 100 platinum RTD element, \$19.

OMEGA® Thin Film RTD Elements

"W" Series Starts at \$32

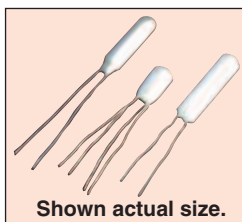


Shown larger than actual size

All RTD elements available with PFA insulated lead wire.
† Pricing is dependent on lead style (see page C-110).

Series W: Series W elements are rugged, cylindrical platinum thin film ceramic elements that can be used at temperatures between -50 and 600°C (-58 to 1112°F). These elements have a 0.38 mm (0.015") diameter and gold-palladium leads approximately 10 mm (0.4") long which are strain relieved in the ceramic body. Series W elements include single and dual element configurations with resistances at 0°C of 100, 200, 400, 500, 1000, and 2000 Ω. The resistance vs. temperature characteristics of these elements conforms to IEC751, with a tolerance of ±0.1% at 0°C, placing their accuracy between the Class A and Class B requirements. The resistance vs. temperature table and calculation equations can be found on page Z-232 in the technical section.

OMEGAFILM® RTDs can be used as-is with various OMEGA® controllers and instruments, or packaged into an unlimited number of housings and package styles to meet your measurement and control needs.



Shown actual size.

Discount Schedule

1 to 10 units	.....	Net
11 to 24 units	.....	.10%
25 to 49 units	.....	.15%
50 to 99 units	.....	.20%
100 units and up	.....	.25%

OMEGAFILM®—Platinum RTD Elements (Alpha = 0.00385)

MOST POPULAR MODELS HIGHLIGHTED!

Series	15 mm Lead Length Dimensions in millimeters (1 mm = 0.03937")	Single or Dual	Nominal Resistance (Ω)	Temperature Range	Model Number	Price	
W		1	x	100	-50 to 600°C (-58 to 1112°F)	W2102	\$32
		1	x	200		W2112	35
		1	x	500		W2132	39
		1	x	1000		W2142	48
		1	x	2000		W2152	97
W		2	x	100		W2202	58
		2	x	200		W2212	68
		2	x	400		W2222	66
		2	x	500		W2232	61
		2	x	1000		W2242	71
W		1	x	100	W2103	36	
		2	x	100	W2204	64	
WS		1	x	100	-50 to 850°C (-60 to 1560°F)	WS81	120

* Length is 17 mm for 1000 and 2000 Ω elements.

Ordering Example: W2103, 1 x 100 Ω, 2 mm dia. platinum RTD element, \$36.



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• Flow and Level

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters