

6W – Product Series

Temperature Range: $-200^{\circ}\text{C} \dots +600^{\circ}\text{C}$

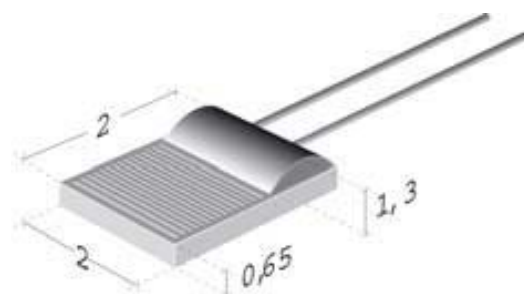
7W 308

Dimensions, LxW:	3.0 x 0.8 mm	
Nominal Resistance at 0°C (ohm):	100/500/1000	
Self Heating (mK):	Water (v= 0 m/s)	$\Delta T_w = 6.7$ at 0°C
	Air (v= 0 m/s)	$\Delta T_a = 46$ at 0°C
Response Time (s):	Water (v= 0.4 m/s)	$T_{0.5} = 0.08$
		$T_{0.63} = 0.10$
		$T_{0.9} = 0.25$
	Air (v= 1 m/s)	$T_{0.5} = 1.2$
		$T_{0.63} = 1.5$
		$T_{0.9} = 3.5$
Measuring Current (mA):	100 Ω : 1	
	500 Ω : 0.5	
	1000 Ω : 0.3	
Note:	Pure platinum wire, 0.15 mm diameter	



6W 202

Dimensions, LxW:	2.0 x 2.0 mm	
Nominal Resistance at 0°C (ohm):	100/500/1000/2000	
Self Heating (mK):	Water (v= 0 m/s)	$\Delta T_w = 3.1$ at 0°C
	Air (v= 0 m/s)	$\Delta T_a = 31$ at 0°C
Response Time (s):	Water (v= 0.4 m/s)	$T_{0.5} = 0.11$
		$T_{0.63} = 0.16$
		$T_{0.9} = 0.38$
	Air (v= 1 m/s)	$T_{0.5} = 3.6$
		$T_{0.63} = 4.9$
		$T_{0.9} = 10.2$
Measuring Current (mA):	100 Ω : 1	
	500 Ω : 0.5	
	1000 Ω : 0.3	
	2000 Ω : 0.2	



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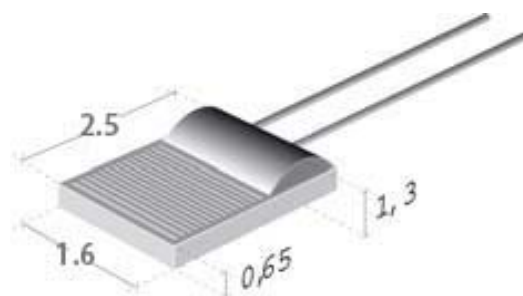
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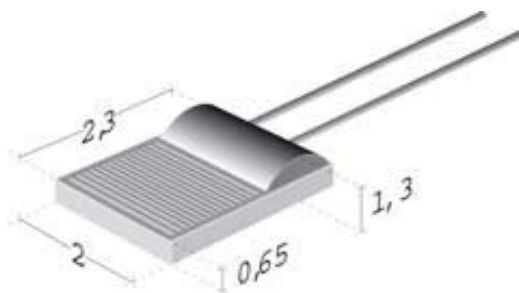
6W 216

Dimensions, LxW:	2.5 x 1.6 mm	
Nominal Resistance at 0°C (ohm):	100/1000	
Self Heating (mK):	Water ($v = 0 \text{ m/s}$)	$\Delta T_w = 2.8 \text{ at } 0^{\circ}\text{C}$
	Air ($v = 0 \text{ m/s}$)	$\Delta T_a = 28 \text{ at } 0^{\circ}\text{C}$
Response Time (s):	Water ($v = 0.4 \text{ m/s}$)	$T_{0.5} = 0.12$
		$T_{0.63} = 0.18$
		$T_{0.9} = 0.42$
	Air ($v = 1 \text{ m/s}$)	$T_{0.5} = 4$
		$T_{0.63} = 5.4$
		$T_{0.9} = 11$
Measuring Current (mA):	100 Ω : 1	
	1000 Ω : 0.3	



6W 232

Dimensions, LxW:	2.3 x 2.0 mm	
Nominal Resistance at 0°C (ohm):	100/500/1000/2000	
Self Heating (mK):	Water ($v = 0 \text{ m/s}$)	$\Delta T_w = 2.5 \text{ at } 0^{\circ}\text{C}$
	Air ($v = 0 \text{ m/s}$)	$\Delta T_a = 25 \text{ at } 0^{\circ}\text{C}$
Response Time (s):	Water ($v = 0.4 \text{ m/s}$)	$T_{0.5} = 0.15$
		$T_{0.63} = 0.2$
		$T_{0.9} = 0.55$
	Air ($v = 1 \text{ m/s}$)	$T_{0.5} = 4.5$
		$T_{0.63} = 6$
		$T_{0.9} = 12$
Measuring Current (mA):	100 Ω : 1	
	500 Ω : 0.5	
	1000 Ω : 0.3	
	2000 Ω : 0.2	



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