

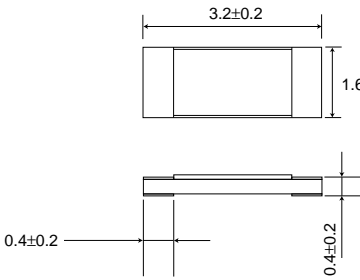
**Features**

- Linearity between temperature and resistance
- High accuracy up to 0.12%
- High reliability in application field

**Applications**

- Temperature measurement
- Temperature compensation
- Over-temperature protection

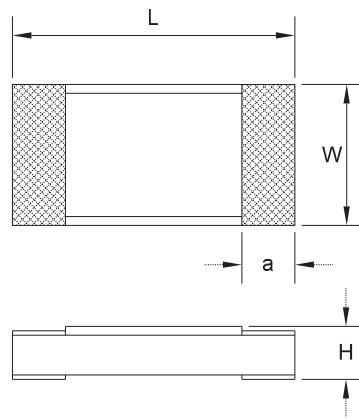
**Specifications**

Type	SE10235	SE10255
Physical Dimension: (mm)		
Nominal Resistance at 0°C	1000 Ω	1000 Ω
Tolerance	±0.12%	±0.48%
Temperature coefficient (TCR)	3750 (ppm/°C)	3750 (ppm/°C)
Maximum Applied Current	1mA	3mA
Response Time (90% Air, 1m/sec)	6 sec.	6 sec.
Self-Heating (Air, 1m/sec)	3.5mW/ °C	10.5mW/ °C
Power Rating at 70°C	0.05W	0.05W
Operating Temperature	-40°C~155°C	

\* For more precision or different special design resistance, please contact Cyntec for more details.

## C. SE Series

SE Series (SMD Pt Sensor) is designed especially to meet the board level application for temperature measurement & compensation and over-temperature protection. With its surface mount package, SE Series can be handled by automatic pick & place machine. In addition, characteristics of Pt-RTD such as long term stability and interchangeability remain the same. Please contact us for more information about our surface mount Pt-RTD.



Dimensions (Unit: mm)		SE10235	SE10255
	L	3.2±0.2 mm	
	W	1.6±0.2 mm	
	a	0.4±0.2 mm	
	H	0.4±0.2 mm	
Nominal R at 0°C		1000	
TCR		3750	
Operating Temp.		-40°C~155°C	
Tolerance at 0°C		±0.12%	±0.48%
Response Time (90%) in Air of 1 m/sec		6 sec. Max.	
Maximum Applied Current		1mA	3mA
Dissipation Constant (Self- Heating) in Air of 1 m/sec		3.5 mW/°C	10.5 mW/°C

### How to order

<u>SE</u>	<u>102</u>	<u>5</u>	<u>5</u>
Series SE	Ice Point Resistance 102:1000Ω	TCR/Tolerance 3:3750/B 5:3750/D	Package 5: Surface Mount