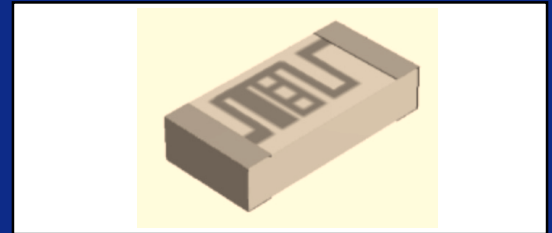


# Platinum Sensor Chip Resistor

ISO-9001  
Registered



- Industry standard 1206 chip size
- Small surface mount package
- Wrap-around solder termination
- Leach resistant nickel barrier

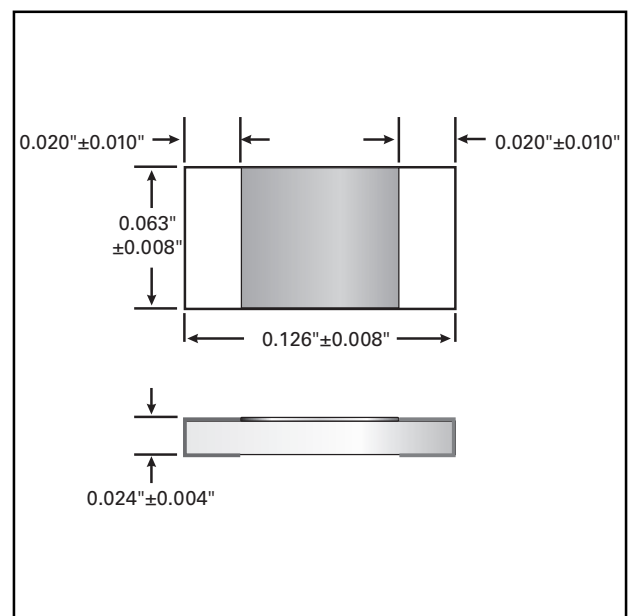


The P1206 Platinum Temperature Sensor is a surface mount component designed for temperature sensing or temperature compensation in instrument, HVAC, and computer applications.

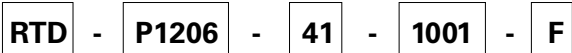
## Specifications

Standard Resistances at 0°C	100Ω, 1.0KΩ	
Standard Tolerances	±0.5%, ±1%, ±2%, ±5%	
Temperature Range	-55° to +125°C	
Available Temperature Coefficients	+3750ppm/°C +3800ppm/°C +3850ppm/°C	
Insulation Resistance	10MΩ min at 25°C	
Measuring Current (100Ω)	1mA, 3mA max.	
Long Term Stability (1000 hours at 125°C)	<0.1% (typical)	
Termination	SnPb	
Self Heating	0.13K/mW	
Response Time (Rapidly Stirred Oil)	0.2 sec. ( $t_{0.5}$ )	0.8 sec. ( $t_{0.9}$ )
Response Time (Still Air)	2.2 sec. ( $t_{0.5}$ )	16 sec. ( $t_{0.9}$ )
Contact factory for other resistance values and tolerances		

## Dimensions



# Ordering Procedure



**Product Line**  
RTD Resistor-temperature sensors

**Model**  
P1206 = 1206 chip sensor

**Temperature Coefficient**  
40 = +3750ppm/°C ±100ppm/°C  
41 = +3800ppm/°C ± 50ppm/°C  
42 = +3850ppm/°C ±100ppm/°C  
43 = +3850ppm/°C ± 50ppm/°C

**Resistance Code**  
4-digit resistance code  
Ex: 1000 = 100 ohms; 1001 = 1000 ohms

**Tolerance**  
D = ±0.5%, F = ±1%, G = ±2%, J = ±5%