



Introducing the **NEW:**

micro IRT/c.sv-K-**

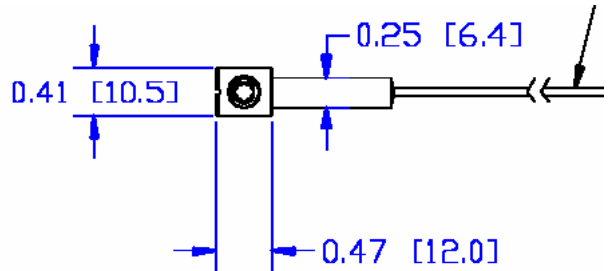
The World's Smallest Side View Mounted Infrared Temperature Sensors

Features

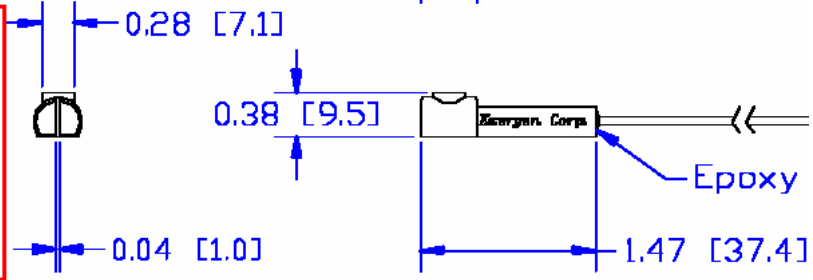
- Side view mount
- Self powered
- Small size
- Mounting rings



3' (0.9 M) of K t/c cable



<u>SELECTION TABLE</u>	
<u>MODEL</u>	<u>2% Linear Range</u>
uIRt/c.SV-K-80F/27C	40-118°F (4-48°C)
uIRt/c.SV-K-98.6F/37C	77-104°F (25-40°C)
uIRt/c.SV-K-140F/60C	90-180°F (32-82°C)
uIRt/c.SV-K-180F/90C	170-220°F (77-104°C)
uIRt/c.SV-K-240F/120C	220-245°F (104-118°C)
uIRt/c.SV-K-280F/140C	270-310°F (132-154°C)
uIRt/c.SV-K-340F/170C	330-370°F (166-188°C)
uIRt/c.SV-K-440F/220C	415-465°F (213-241°C)



Specifications

Sensing Range	-45 °C to 524 °C (2% linear to match K t/c, see table)
Ambient Temperature Range	-20 °C to 100 °C
Storage Temperature Range	-20 °C to 100 °C
Field of View of Sensing Element	approximately 1:2 (100°)
Minimum Spot size	3 mm (.1")
Dominant Spectral Response	5.5 to 20 μm
Output Sensor	K type thermocouple at temperatures close to calibration point, see Selection Table, (mV output tables available with recommendations for programmable devices).
Impedance	~ 15-40 kohms, depends on model selected
Emissivity (e)	.90
Measurement Type	Thermopile
Resolution	Approximately 0.0003°C, Johnson Noise
Update Time	Instantaneous
Time Constant	50 milliseconds
Accuracy (Interchangeability)	1% to factory calibration conditions
Dimensions	See above
Housing	Stainless Steel 303
Cable Assembly	3 feet (0.9 meters) of unshielded, duplex insulated, type K, 24 AWG, PFA jacket, rated to 500 °F (260 °C) (Shielded cable also available)
Humidity	Non-Condensing
Power Requirements	None
Environmental Ratings	Hermetically sealed, exceeds NEMA 4, 4X, IP67
Weight	~ 30 grams (1 oz.), SV model ~ 60 grams (2 oz.)