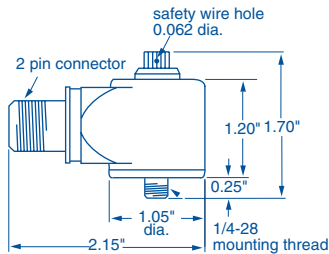




**FEATURES:**

- Rugged design
- Corrosion resistant
- Hermetic seal
- Ground isolated
- ESD protection
- Miswiring protection
- Mounts in any orientation
- 150°C operation



## FireFET® Model 797-6

### High Temperature, Center Mount Accelerometer

**DYNAMIC**

Sensitivity, ±10%, 25°C .....	100 mV/g
Acceleration Range .....	50 g peak
Amplitude Nonlinearity .....	1%
Frequency Response:	
±5% .....	4 - 5,000 Hz
±10% .....	3 - 7,000 Hz
±3 dB .....	1.0 - 11,000 Hz
Resonance Frequency .....	20 kHz
Transverse Sensitivity, max .....	5% of axial
Temperature Response .....	-50°C     -5%
	+0°C     +2%
	+150°C   -5%

**ELECTRICAL**

Power Requirement:	voltage source .....	18 - 30 VDC
	current regulating diode .....	2 - 4 mA
Electrical Noise, equiv. g, (µg/√Hz):		
Broadband	2.5 Hz to 25 kHz .....	0.3 mg
Spectral at		25°C   150°C
10 Hz .....		10     30
100 Hz .....		3     10
1,000 Hz .....		2     6
Output Impedance, max. ....		100 Ω
Bias Output Voltage:		
at 25°C .....		12 VDC
at 150°C .....		11 VDC
Grounding .....		case isolated, internally shielded

**ENVIRONMENTAL**

Temperature Range .....	-50 to 150°C
Vibration Limit .....	500 g peak
Shock Limit .....	2,500 g peak
Electromagnetic Sensitivity, equiv. g .....	5 µg/gauss
Sealing .....	Hermetic
Base Strain Sensitivity .....	0.001 g/µstrain

**PHYSICAL**

Sensing Element Design .....	PZT ceramic / shear
Weight .....	145 grams
Case Material .....	316L stainless steel
Mounting .....	1/4-28 captive socket head screw
Output Connector .....	2 pin, MIL-C-5015 style
Mating Connector .....	R6 type
Recommended Cabling .....	J9T2A

CONNECTOR PIN	FUNCTION
SHELL	ground
A	power/ signal
B	common

**ACCESSORIES SUPPLIED:**

1/4-28 captive screw (International customers specify mounting requirements);  
Calibration data (level 3).

