

## General Integrated Chip Accelerometer

### Model AI186G

#### Features:

- IC Inside
- Industry Measure System
- Normal Cable

#### Specifications:

##### Dynamic Characteristics

Axes Sensitivity (20±5 deg C)	~100 mV/g
Measurement Range	50 g
Max Transverse Sensitivity	<= 5 %
Frequency Response (±10%)	1 - 4000 Hz
Resonance Frequency	25000 Hz
Temperature Response	See temperature curve
Polarity	Positive

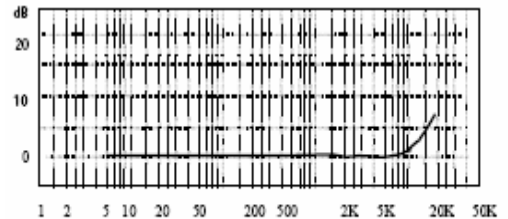
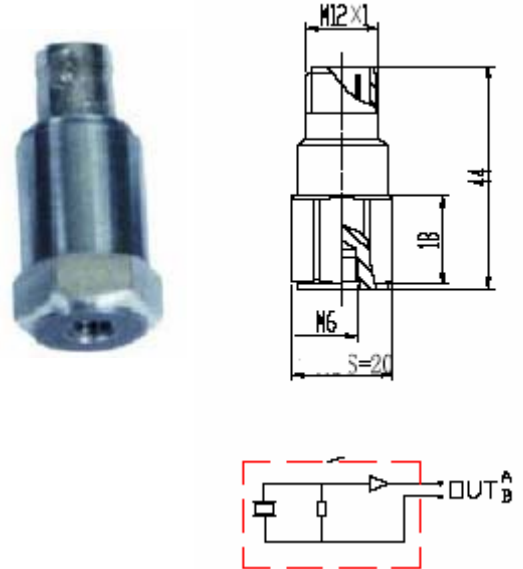
##### Electrical Specifications

Voltage Supply	+12~+28V <sub>DC</sub>
Current	+2 ~ +10 mA
Max Signal Output	<5V <sub>p</sub>
Output Impedance	< 100 Ω
Bias Voltage	7 ± 1 V <sub>DC</sub>
Noise (1~20KHz)	< 4mg

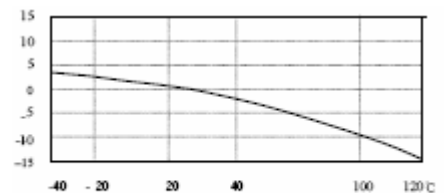
##### Environmental/Physical Characteristics

Temperature Range	-20 to +120 °C
Shock Limit	1000g
Temperature Sensitivity	8mg/°C (0.3Hz)
Case Strain Sensitivity	0.2 mg/μ ε
Magnetic Field Sensitivity	1g/T
Weight	65g
Case Material	Stainless Steel
Mounting	1/4" - 28 Screw
Piezo Material	PZT-5
Structure	Cut Mode
Output Connection	M12 X 1

Included Accessories	Calibration sheet M6 Screw Cable 4m
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Frequency Response Curve



Temperature Curve