

## Série LSB

### Accéléromètre linéaire

**BEST OF CLASS**



The Jewell LSB Series Accelerometer is a general-purpose  $\pm 0.5G$  to  $\pm 20G$  device designed for industrial, commercial and aerospace sensing requirements.

#### LSB Series Accelerometer Specifications

##### Performance

Input Range, g:	$\pm 0.5$	$\pm 1.0$	$\pm 2.0$	$\pm 5.0$	$\pm 10.0$	$\pm 20.0$
Full Range Output (FRO), volts $\pm 1\%$ :	$\pm 5.0$	$\pm 5.0$	$\pm 5.0$	$\pm 5.0$	$\pm 5.0$	$\pm 5.0$
Nonlinearity, % FRO, maximum:	0.05	0.05	0.05	0.10	0.10	0.25
Scale Factor, volts/g, nominal:	10.0	5.0	2.5	1.0	0.5	0.25
Scale Factor Temp Sensitivity, PPM/ $^{\circ}C$ , maximum:	200	200	200	200	200	200
Bias, g, maximum:	0.050	0.010	0.010	0.010	0.020	0.050
Bias Temperature Sensitivity, $\mu g/^{\circ}C$ :	50	50	50	100	100	200
Natural Frequency, Hz, nominal:	70	100	140	100	140	160
Bandwidth (-3dB), Hz, nominal:	70	100	140	100	140	160
Input-Axis Misalignment, $^{\circ}$ maximum:	$\pm 1$	$\pm 1$	$\pm 1$	$\pm 1$	$\pm 1$	$\pm 1$
Resolution and Threshold, $\mu g$ :	10	10	10	10	20	50

#### Applications

- Radar Leveling
- Fire Control
- Attitude Heading & Reference Systems
- Missile Orientation
- Autopilot
- Performance Testing

##### Electrical

Input Voltage, VDC, nominal	$\pm 12$ to $\pm 18$ volts DC					
Input Current, mA, nominal	10.0					
Output Impedance, ohms, nominal	10.0k	5.0k	2.5k	5.0k	2.5k	2.5k
Noise, mV rms, maximum	5.0					

##### Environmental

Temp Range, Operating	$-55^{\circ}C$ to $+95^{\circ}C$					
Temp Range, Survival	$-65^{\circ}C$ to $+105^{\circ}C$					
Shock	100G, 0.011 second, $\frac{1}{2}$ sine					
Seal	MIL-STD-202, Method 112					

## Outline Dimensions and Block Diagram

