

BSFA333-IV Series

Inverse Voltage Biaxial Accelerometer, Side Exit 3 Pin Connector, 100 mV/g, with X and Z Axis, ±15%



VIBRATION ANALYSIS HARDWARE



Product Features

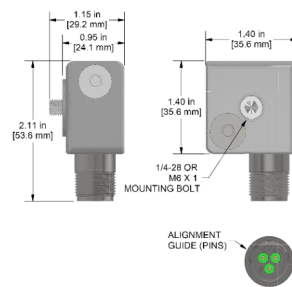
Inverse Voltage Biaxial Accelerometer

- ▶ For Use With Baker Hughes/Commtest Systems
- ▶ Monitors Radially and Axially Simultaneously
- ▶ Compatible with C509 and C519 connectors

BSFA333-IV

3 Pin Connector

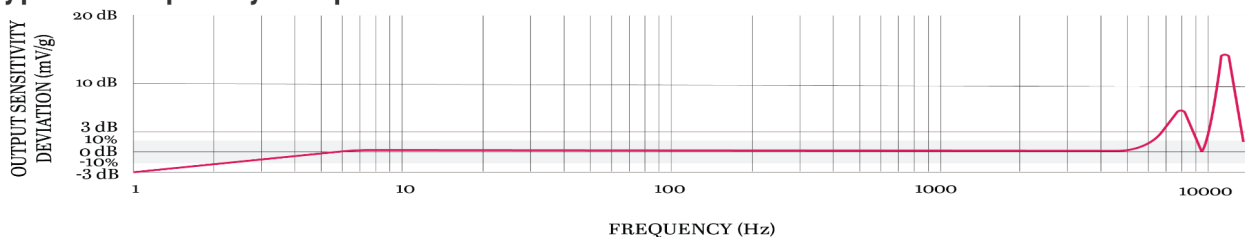
Connector Pin	Polarity
A (Axis X)	(-) Signal/Power
B (Axis Z)	(-) Signal/Power
C	(+) Common/Grid



Stock Product

Specifications	Standard	Metric	Specifications	Standard	Metric
Part Number	BSFA333-IV	M/BSFA333-IV	Environmental		
Sensitivity (±15%)	100 mV/g		Operating Temperature Range	-58 to 250°F	-50 to 121°C
Frequency Response (±3dB)	60-390,000 CPM	1,0-6500 Hz	Electromagnetic Sensitivity	CE	
Dynamic Range	± 50 g, peak *Vsource ≤ -20V, 8.5Vbias		Sealing	Welded, Hermetic	
Electrical			Submersible Depth	200 ft.	60 m
Settling Time	<2.5 seconds		Physical		
Voltage Source (IEPE)	-18 to -30 VDC		Sensing Element	PZT Ceramic	
Constant Current Excitation	2-10 mA		Sensing Structure	Shear Mode	
Spectral Noise @ 10 Hz	27 µg/√Hz		Weight	6.9 oz	195 grams
Spectral Noise @ 100 Hz	6.5 µg/√Hz		Case Material	316L Stainless Steel	
Spectral Noise @ 1000 Hz	2.5 µg/√Hz		Connector (Non-Integral)	3 Pin	
Output Impedance	<100 ohm		Mounting Torque	1 to 2 ft. lbs.	1,4 to 2,7 Nm
Bias Output Voltage	-10 to -14 VDC		Mounting Hardware Supplied	1/4-28 Captive Bolt	M6x1 Captive Bolt
Case Isolation	>10 ⁸ ohm		Calibration Certificate	CA10	

Typical Frequency Response



Backed by our Unconditional Lifetime Warranty & Free Annual Recalibration Service

www.ctconline.com | sales@ctconline.com | 585-924-5900