



ACCELEROMETER DATA SHEET

Model 4311A-3-P80

General Characteristics:

Operating Principle	Closed-loop servo force balance
Size and Mounting	Per BEI PSSC drawing 38731
Weight	0.5 lbs max
Input Power	± 15 VDC ± 0.3 VDC
Electrical Connection	Per MIL-C-83723, Series 3
Sealing	Hermetically sealed

Performance Characteristics:

Range	± 3 g
Scale Factor	1.667 ± 0.033 V/g
Scale Factor vs. Temperature	$< 0.01\%$ per $^{\circ}$ F
Accuracy	± 0.1 g
Sensitivity	0.01 g
Noise	< 6.0 mV rms
External Load	Calibrated with external 1 Megohm load (not supplied)
Dynamic Characteristics	Output amplitude $\pm 0.5\%$, 0 to 1 Hz
Alignment	$< 1.0^{\circ}$ Case to true-sensitive axis
Self Test	Provision is included for external applications of torquing current to torque at a scaling of 609 ± 18 microamps/g

Environmental Capability:

Operating Temperature	-40° F to $+160^{\circ}$ F
Storage Temperature	-65° F to $+200^{\circ}$ F
Shock Endurance	15 g, any axis
Acceleration Endurance	15 g, any axis

Approved for general release.