General Characteristics

- Operating Principle: Closed-loop servo, force balance
- Size and Mounting: Per BEI PSSD drawing 961870
- Weight: 0.3 lb (4.8 ounces), maximum
- Input Power: ±15 ±0.75 Vdc at 500 milliwatts max.
- Electrical Connection: Per MIL-C-26482/G, Series 2
- Sealing: Moisture-exclusion seal

Performance Characteristics

- Range: ±2 g
- Scale Factor: 3.75 ± 0.01875 Vdc/g
- Scale Factor vs Temperature: <0.01%/°F, maximum
- Hysteresis: 0.02% of full range, maximum
- Nonlinearity: 0.02% of full range, maximum
- Static Null (zero offset): 0.0036 g, maximum
- Noise: 7.5 millivolts RMS to 100 Hz
- External Load: Calibrated with external 100K ohms ± 0.1% load (not supplied)
- Cross Coupling: 0.002 g per g cross axis, with full scale applied to sensitive axis
- Dynamic Characteristics: -45° phase shift at 10 Hz, minimum and -90° phase shift at 150 Hz, maximum
- Damping: Overshoot of 10% maximum at all temperatures
- Alignment: ± ½° Case to true-sensitive axis
- Self Test: Provision is included for external application of torquing current to torque at a scaling of 750 ± 5% µA/g
- MTBF: 20,000 hours, minimum

Environmental Capability

- Operating Temperature: -65 °F to +160 °F
- Storage Temperature: -65 °F to +200 °F
- Vibration Endurance: 144,000,000 dither cycles, ± 5% of full scale, minimum
- Shock Endurance: 20 g, 11 milliseconds, any axis
- Acceleration Endurance: 50 g sustained, any axis
- Operating Vibration: MIL-E-5400, curve IV to 500 Hz

Approved for general use. Specifications subject to change without notice.