



Product Specification

Document Number	PSAU0020	
Title	DAA/DAA2 Spec	
Revision Date	Prepared By	Change
7 June 2002	Tony Whitfort	Initial version

Operating Specs

Power Supply Voltage: 6.5 to 15V (8V Preferred)

Power Supply Current: 10mA Typical

Operating Temp: -10 to 70C Ambient

Operating Characteristics

Operating G Range: $\pm 4G$

Output Calibration: 500mV/G (Absolute)

Zero G Output Voltage: 2.5V

Frequency Response: 0 to 12Hz 3rd Order

Polarity:

Lateral: Left Turn Positive,

Longitudinal: Acceleration Positive.

(Cable to rear of vehicle, Label up)

Accuracy

Initial Accuracy at 25C: 2%

Temperature Drift of Gain: 2% from 25C to Tmin/Tmax Typical

Temperature Drift of Zero G: 100mV(0.2G) from 25C to Tmin/Tmax Typical

Maximum Ratings

Maximum Shock: 500G

Power Supply Reverse Voltage: 100V Max

Power Supply Transient Voltage: 60V 100msec

Output Fault Tolerance:

Duration of Short to ground: Indefinite

Max Voltage applied to Output Pin: 5V (>5V will cause damage)

Physical

Mounting Orientation: Cable to vehicle rear, Label up

Mounting Requirements: Vibration isolation required

Dimensions:

DAA: 93x24x15.5mm

DAA2: 31x24x14mm

Pinout

- 1: 0V (Black) Must be connected to 0V of measuring device
- 2: Lateral (White)
- 3: Longitudinal (Yellow)
- 4: Not Connected
- 5: Not Connected
- 6: Power (Red)