



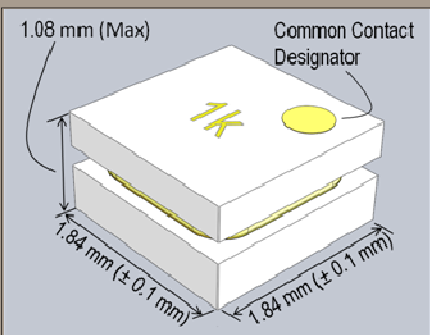
# Micro G Switch Single Axis Model AT-1000SF

## FEATURES:

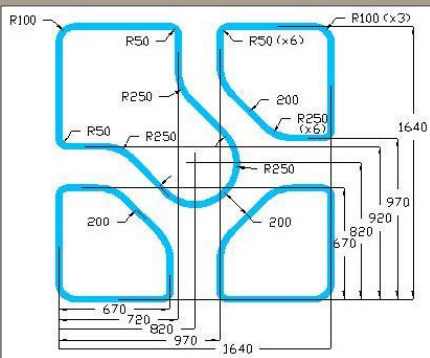
- Small and Lightweight – 3.4 mm<sup>2</sup>
- Extremely Fast Response Times
- High Shock Survivability – 65,000+ g
- Surface Mount – Au over Ni Pads
- Tape and Reel Packaging
- Hermetic Seal

## APPLICATIONS:

- Impact Detection
- Arming / Fuzing
- Artillery, Launch
- More



AT-1000SF Device Dimensions



AT-1000SF Pad Dimensions (microns) as viewed from pad side

## Specifications

### OPERATING CHARACTERISTICS:

Sensitivity .....	+Z (normal to PCB)	
Contact Acceleration Threshold .....	1350	g
Contact Type .....	Normally Open, Non-Latching	
Response Time (2) .....	< 50	μs
Reset .....	Automatic with g decay	

### ELECTRICAL CHARACTERISTICS

Contact Resistance (1) .....	< 10	ohms
Insulation Resistance (min.) .....	1000	Mohm
Breakdown Voltage .....	>230	VDC

### ENVIRONMENTAL RATINGS:

Operate Temperature Range .....	-55 to +125	°C
Storage Temperature Range .....	-55 to +125	°C
PCB/Pad Shear Force .....	> 20	N

### PHYSICAL CHARACTERISTICS:

Dimensions (LxWxH) .....	1.84 x 1.84 x 1.08	mm
Volume .....	3.7	mm <sup>3</sup>
Mass .....	Rev 130918 20	milligrams
ROHS Compliant ? .....	Yes	

- (1) Contact resistance is dependent on input pulse acceleration level.
- (2) Response time depends upon input pulse profile

Note that the information on this data sheet is for reference only. Please verify the specifications by consulting our engineering department.

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