



Micro G Switch Drag Sensor Model DAT-2-S

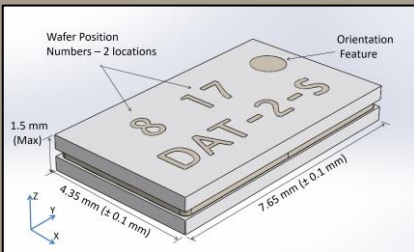
PRELIMINARY

FEATURES:

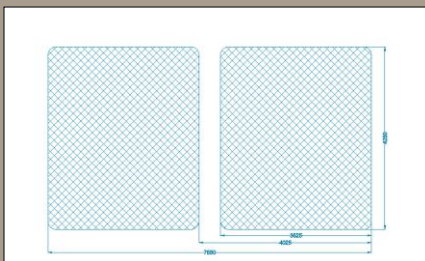
- Small and Lightweight – ~40 mm²
- Fast Response Times
- High Shock Survivability – TBD g
- Surface Mount – Au over Ni Pads
- Tape and Reel Packaging
- Environmental Seal

APPLICATIONS:

- Drag Detection
- Arming / Fuzing
- More



DAT-2-S Device Dimensions



DAT-2-S Pad Dimensions (micrometers) as viewed from pad side of device

Specifications

OPERATING CHARACTERISTICS:

Sensitivity	+ X axis (parallel to PCB)	
Contact Acceleration Threshold		
No Go	< 1.9	g
All Go	> 2.3	g
Contact Type (4)	Normally Open, Non-Latching	
Response Time (2) (3)	< 5	ms
Reset	Automatic with g decay	

ELECTRICAL CHARACTERISTICS

Contact Resistance (1)	< 5000	Ohms
Insulation Resistance (min.)	1000	Mohm
Breakdown Voltage	> 500	VDC

ENVIRONMENTAL RATINGS:

Operate Temperature Range	-55 to +85	°C
Storage Temperature Range	-55 to +105	°C
PCB/Pad Shear Force	> 20	N

PHYSICAL CHARACTERISTICS:

Nominal Dimensions (LxWxH)	7.65 x 4.35 x 1.2	mm
Volume	40	mm ³
Mass	TBD	milligrams
ROHS Compliant ?	Yes	

- (1) Contact resistance is dependent on input acceleration level.
- (2) Response time depends upon input pulse profile.
- (3) Response time shown for step input of 2.5g.
- (4) Electrical connection between pads is normally open and is closed while acceleration is greater than the contact acceleration threshold.

Note that the information on this data sheet is for reference only.

As each application may have unique requirements, please verify the specifications as well as suitability of using our products in your applications by consulting our engineering department.

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