



Wake Up / Shock Sensor

Bottom Sense

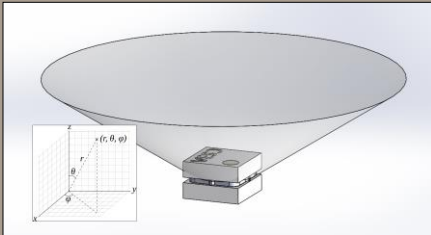
Model CS6B

FEATURES:

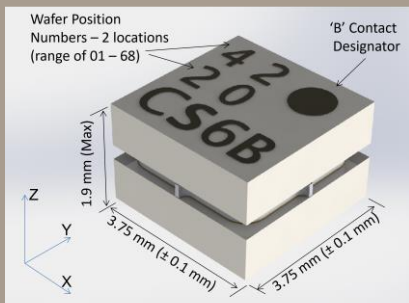
- Small and Lightweight – 14 mm²
- Tape and Reel Packaging

APPLICATIONS:

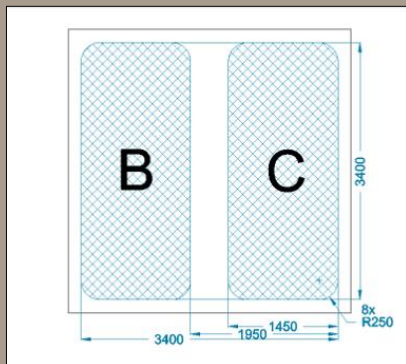
- Wake Up Sensing
- Shock Detection



CS6B Sensitivity Direction (Theta 0-70 degrees)



CS6B Device Dimensions



CS6B Pad Dimensions (micrometers) as viewed from PAD side of device

Specifications

OPERATING CHARACTERISTICS:

Sensitivity Direction	+Z (normal to PCB)
Contact Acceleration Threshold Range (3)	20 to 100 g
Contact Type (2)	Normally Open, Non-Latching
Reset	Automatic with acceleration decay

ELECTRICAL CHARACTERISTICS

Contact Resistance (1)	< 100 ohms
Insulation Resistance (min.)	1000 Mohm
Breakdown Voltage	>100 VDC

ENVIRONMENTAL RATINGS:

Operate Temperature Range	-40 to +85 °C
Storage Temperature Range	-40 to +85 °C
PCB/Pad Shear Force	> 20 N

PHYSICAL CHARACTERISTICS:

Nominal Dimensions (LxWxH)	3.75 x 3.75 x 1.75 mm
Volume	24.6 mm ³
Mass	TBD milligrams
ROHS Compliant?	Yes

- (1) Contact resistance is dependent on input pulse acceleration level.
- (2) Electrical connection between pads 'C'(common) & 'B' is normally open and will close while acceleration is greater than the contact acceleration threshold.
- (3) Contact Acceleration Threshold is approximately 40% greater at a theta angle of 45 degrees

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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"When Power & Size Are Not An Option"