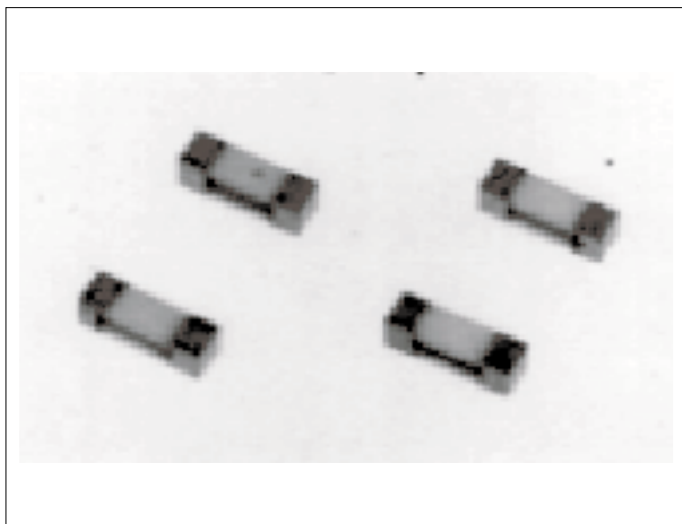


*Using breakthrough technology,  
we aim for products that will create new markets.*

## New Product News

Industry minimum surface area

Small, lightweight, Suitable for Memory Data Protection of HDD etc.



### Sensor

### Shock Sensor, Chip Type

Industry/Field: AV, OA/Information, Amusement

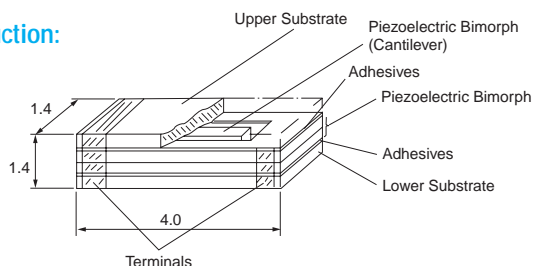
#### • Development goals:

This shock sensor is suitable for the memory protection of OA equipments, sound jump prevention of mobile instruments, and detection of external shock and vibration added to a set. This is very small and possible to be surface mounted.

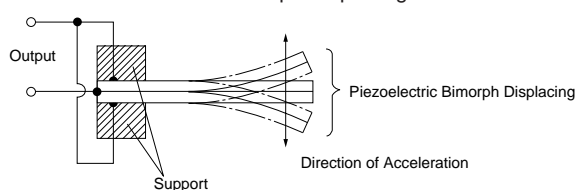
#### • Features:

- ① Small Surface Area ; 5.6mm<sup>2</sup>
- ② Lightweight ; 50mg
- ③ Wide Frequency Range ; 80(20) to 10,000Hz

#### • Construction:



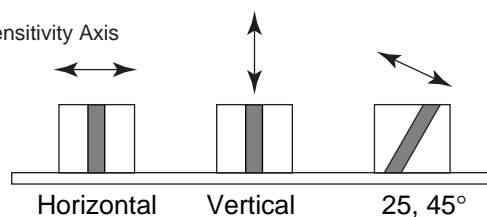
#### ■ The Schematic of Piezoelectric Bimorph Displacing



#### • Characteristics/specifications:

Sensitivity Axis (deg.)	Voltage Sensitivity (mV/G)	Capacitance (pF)	Detection Frequency Range (±3dB)
0.90	1	200	80 to 10,000
45	1	200	80 to 10,000
25	1	200	80 to 10,000
0.90	1	800	20 to 10,000

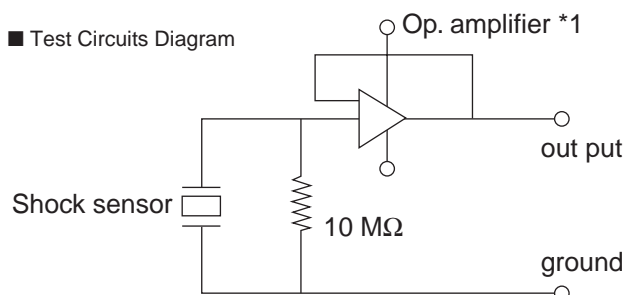
#### ■ Sensitivity Axis



#### • Applications/usage examples:

- Detect external shock applied to the HDD & CD-ROM
- Prevents "Tracking Error" due to vibration of AV equipments
- Memory of drop (Ex. Guarantee of set)

#### ■ Test Circuits Diagram



\*1 : #AN1081S (MATSUSHITA) or same grade

#### • Explanation of part numbers:

1	2	3	4	5	6	7	8	9	10
E	F	J	G	O	O	E	A	0	1
Product Code				Sensitivity Axis		Packaging Type Style		Design No.	