

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

New Product News

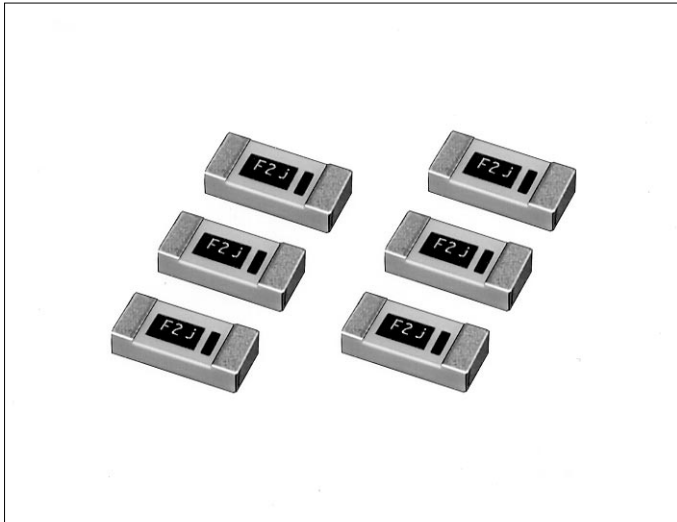
Industry minimum thin

Sensor

Piezoelectric Sensor For Mechanical Shock

Industry/Field: AV, OA/Information, Amusement

Small, Lightweight, Suitable for Memory Data Protection of HDD etc



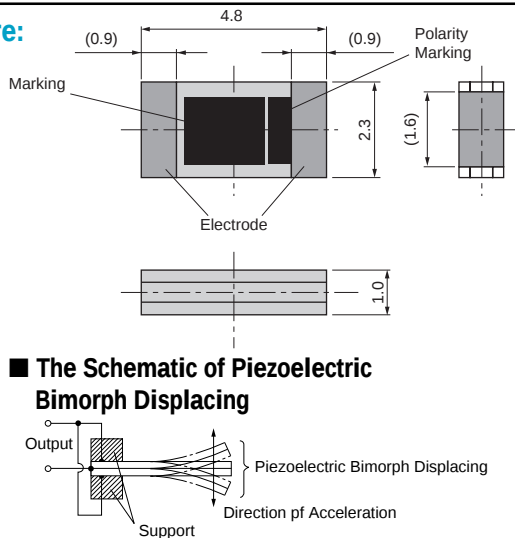
• Development Target:

This sensor is suitable for the memory protection of OA instruments. This is very small and possible to be surface mounted.

• Features:

- ① Small Surface Area ; 11.0 mm²
- ② Lightweight ; 80 mg
- ③ Wide Frequency Range ; 80 to 10,000 Hz (Rin=10 MΩ, ±3 dB)

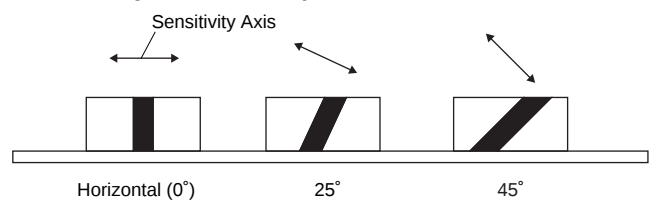
• Structure:



• Characteristics/specifications:

Number	Voltage Sensitivity mv / (m/S ²)	Capacitance pF	Resonant Frequency kHz	Incident Angle of Sensitivity Axis deg.
EFJG00EF01	0.1±15 %	200 typ.	≥27	0±3
EFJG25EF01	0.1±15 %	200 typ.	≥27	25±3
EFJG45EF01	0.1±15 %	200 typ.	≥27	45±3

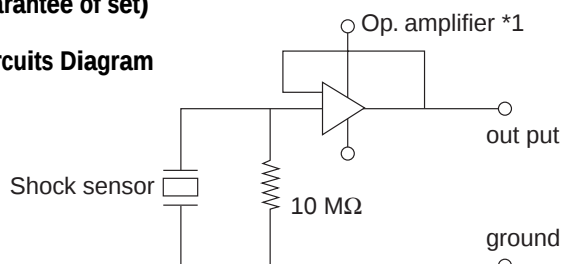
Incident Angle of Sensitivity Axis



• 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	0	0	E	F	0	1
Product Code				Sensitivity Axis		Packaging Type Style		Design No.	