

# Piezo-electric accelerometer

## A/26/E A/26/S



10pC/g nom. • 7gm wt.  
250°C max. temp.

Lightweight, 10pC/g accelerometer with KONIC mechanically preloaded sensing element.

All welded construction including internal electrical connections maximises operating temperature and reliability.

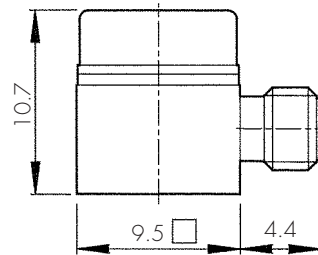
Close tolerance option provides compatibility with 10pC/g normalised instrumentation.

Small, robust package offers high level vibration and shock measurement capability - the signal cable should be anchored adjacent to the transducer where there is excessive cable movement, hence connector loading, would otherwise ensue.

Flat base and integral stud versions provide attachment options, the latter preferred for high acceleration level applications.

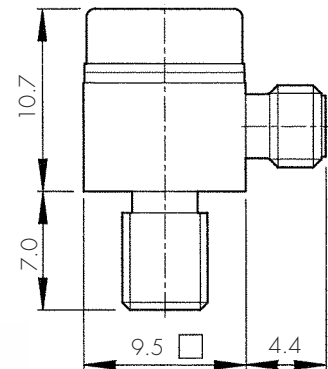
Adhesive mounted version : Abrasive cleaning of the attachment face will reduce base thickness over time, sparing use of adhesive will aid longevity.

A/26/E

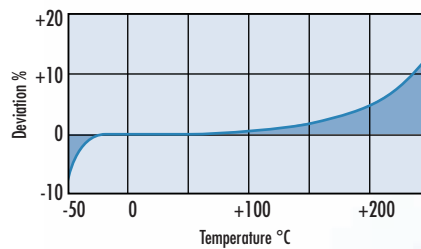


dims. mm

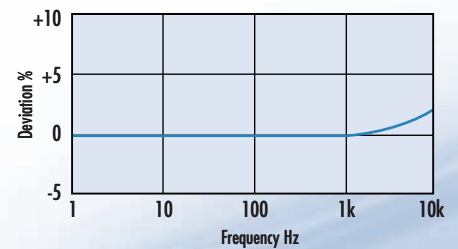
A/26/S



TEMPERATURE RESPONSE



FREQUENCY RESPONSE



CONVERSION MODE

KONIC

CONVERSION MODE	KONIC
Charge sensitivity pC/g	8/12
Capacitance pF	500/800
Resonant frequency kHz	50
Cross axis error % max	5
Temperature range °C	-50/+250
Charge sensitivity deviation re 20°C	-5% @ -50°C +15% @ +250°C
Pyro-electric output, g/°C	0.15
Pyro-electric corner freq. Hz	0.005
Base strain sen. g/μ strain	< 0.01
Max continuous accn. g sine	5000
Max shock g pk., rise time μ sec	10000, 20
Case material	s/steel 303 S31
Mounting	adhesive A/26/E, integral stud M5 x 7mm lg. (or shorter) A/26/S
Weight gm	6.7 (A/26/E) ; 7 (A/26/S)
Connector	Microdot skt, 10/32 UNF thd.
Mounting torque Nm	1
Case seal	welded

## options

- > close tolerance, 10pC/g ±5%
- > wideband temperature calibration
- > proof shock testing