

KEY FEATURES

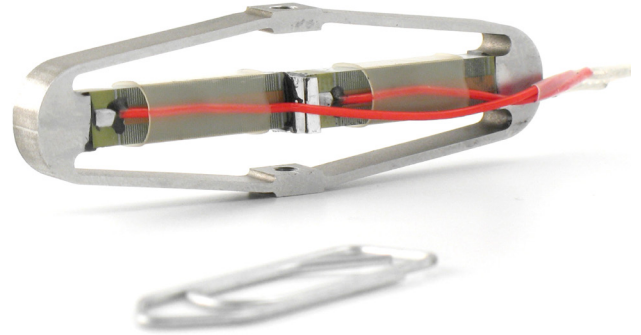
- > Low voltage piezo ceramic
- > Optimal preload for high dynamics
- > Mechanical Amplification
- > Compact Size
- > High Resolution

RELATED PRODUCTS

- > CTEC benchtop controllers
- > CTEC OEM controllers

AVAILABLE OPTIONS

- > SG sensor
- > Vacuum compatibility
- > Ultra High Vacuum



NON CONTRACTUAL PICTURE

PARAMETER	VALUE	UNIT
> Quasistatic performances		
Nominal Stroke	240	µm
Min stroke	210	µm
Resolution ⁽¹⁾	13	nm
Blocked force	87	N
Stiffness	0.37	N/µm
> Dynamic performances		
Resonance frequency (free-free) ⁽²⁾	4 600	Hz
Resonance frequency (blocked-free) ⁽³⁾	910	Hz
Force limit ⁽⁴⁾	56	N
> Control & driving		
Voltage range	-20 ... 150	V
Capacitance ⁽⁵⁾	2.2	µF
> Dimensions & interfaces		
Height	17	mm
Length	53	mm
Width incl wires	9	mm
Mass	16	g
> Standard mechanical interfaces	See ICD	
> Electrical interface	See ICD	

ANNOTATIONS

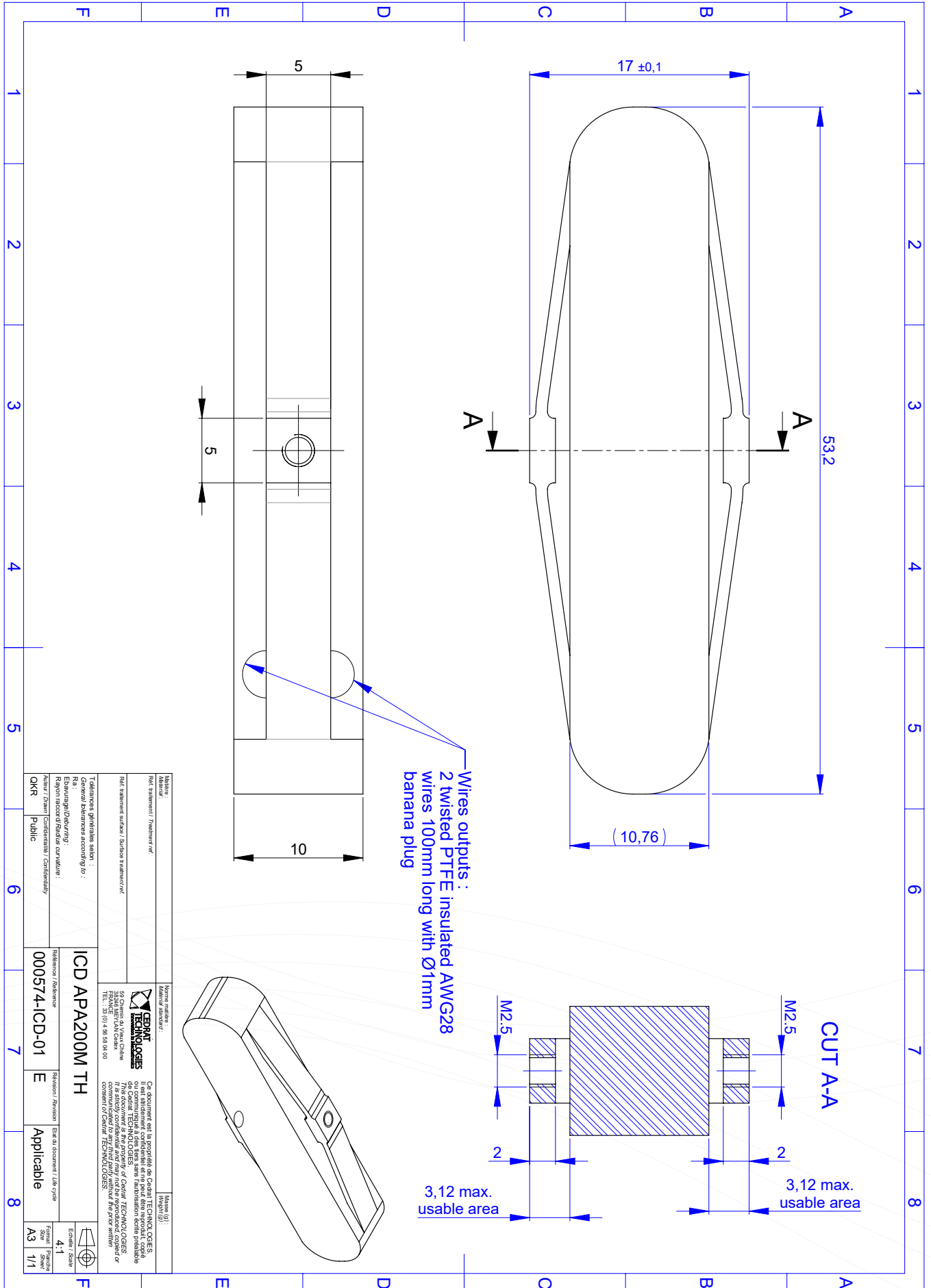
(1) Quasistatic excitation. With standard LA75 range amplifier. SNR=85 dB computed as RMS output signal / RMS output Noise floor at [0;200 Hz]

(2) Free-free: The actuator mounts are free

(3) Blocked-free: The actuator is fixed to a mechanical support assumed infinitely stiff

(4) Maximum pulling or pushing external force, valid up to 90% of the blocked-free resonance frequency of the actuator

(5) Capacitance +/- 20%, at 1 V RMS, low frequency, without load



Material: Matériau / Matière: Rel. traitement / Traitement rel.		Version (01): Version / Révision:	
Rel. traitement / Traitement rel. Rel. traitement surface / Surface et traitement rel.		Version (01): Version / Révision:	
Tolerances géométriques selon : Général / géométriques according to:		ICD APA200M TH	
Etiquetage/Déclivage: Région marquée/Marked curvature:		000574-ICD-01	
Ra: Ra:		E	
OKR		Applicable	
Public		1/1	