

## KEY FEATURES

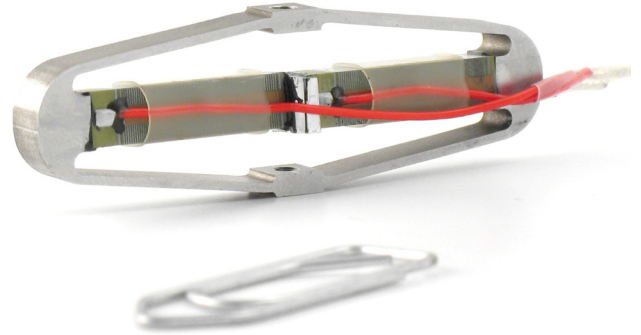
- > Low voltage piezo ceramic
- > Optimal preload for high dynamics
- > Mechanical Amplification
- > Compact Size
- > High Resolution

## RELATED PRODUCTS

- > CTEC benchtop controllers
- > CTEC OEM controllers

## AVAILABLE OPTIONS

- > SG sensor
- > Vacuum compatibility



NON CONTRACTUAL PICTURE

PARAMETER	VALUE	UNIT
<b>&gt; Quasistatic performances</b>		
Nominal Stroke	240	µm
Min stroke	210	µm
Resolution <sup>(1)</sup>	13	nm
Blocked force	87	N
Stiffness	0.37	N/µm
<b>&gt; Dynamic performances</b>		
Resonance frequency (free-free) <sup>(2)</sup>	4 600	Hz
Resonance frequency (blocked-free) <sup>(3)</sup>	910	Hz
Force limit <sup>(4)</sup>	56	N
<b>&gt; Control &amp; driving</b>		
Voltage range	-20 ... 150	V
Capacitance <sup>(5)</sup>	2.2	µF
<b>&gt; Dimensions &amp; interfaces</b>		
Height	17	mm
Length	55	mm
Width incl wires	9	mm
Mass	16	g
<b>&gt; Standard mechanical interfaces</b>	See ICD	
<b>&gt; Electrical interface</b>	See ICD	

## ANNOTATIONS

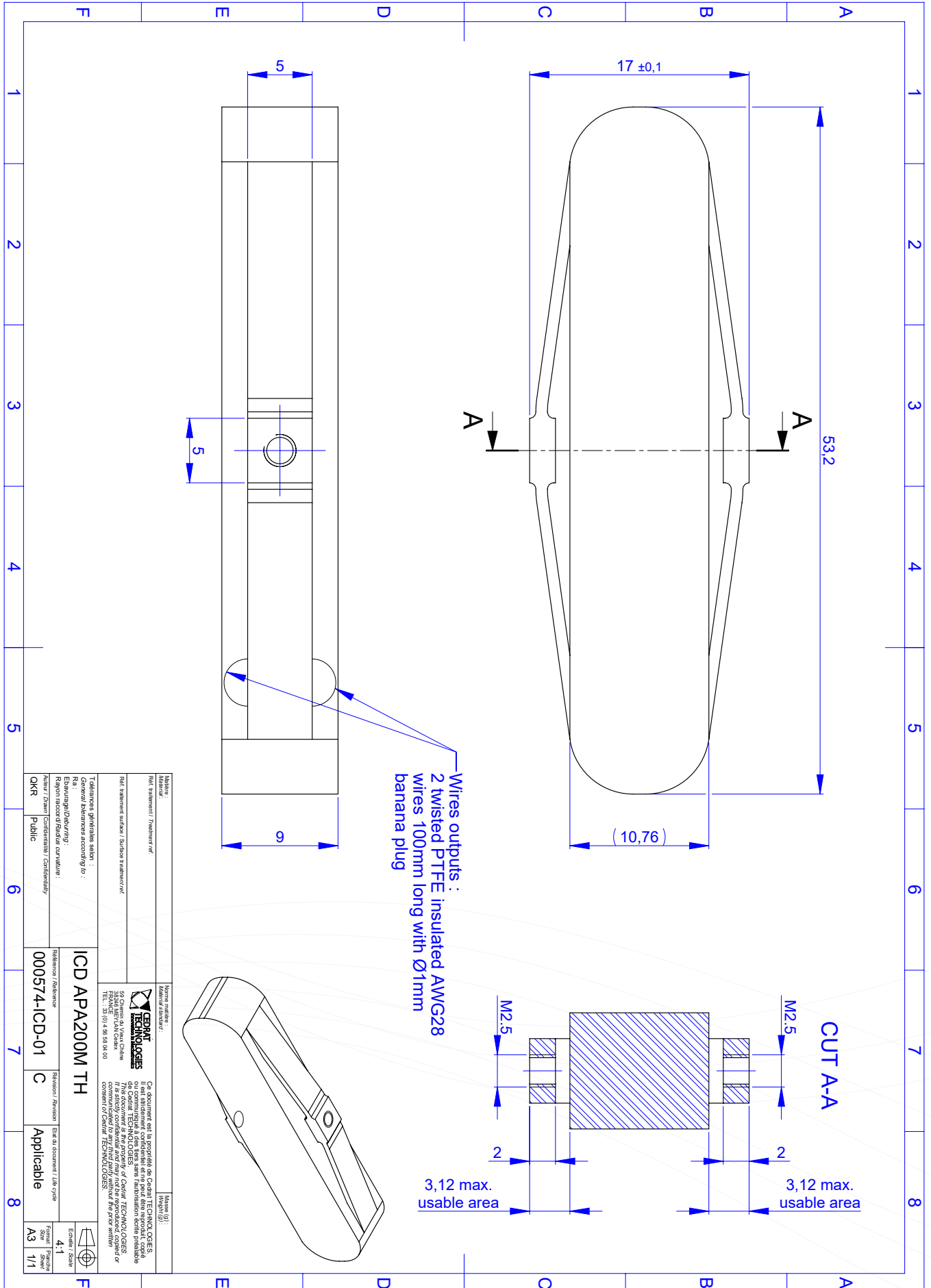
(1) Quasistatic excitation. With standard LA75 range amplifier. SNR=85dB computed as RMS output signal /RMS output Noise floor at [0;200Hz]

(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



<b>Material:</b> Ref. traitement / Treatment ref. Ref. traitement surface / Surface treatment ref.		<b>Version (01):</b> Cedrat Technologies 59 Chemin du Vieux Chêne F-38246 MEYLAN Cedex France Tel.: +33 (0)4 56 58 04 00		Ce document est la propriété de Cedrat TECHNOLOGIES. Il est strictement confidentiel et ne peut être reproduit, copié ou diffusé sans autorisation écrite préalable de Cedrat TECHNOLOGIES. This document is the property of Cedrat TECHNOLOGIES and is strictly confidential. It is not to be reproduced, copied or disseminated without the prior written consent of Cedrat TECHNOLOGIES.	
<b>Tolerances significatives selon :</b> General tolerances according to : Echantillon/Drawing: Région manufacturière / Manufacturing region: Nature / Nature OKR		<b>ICD APA200M TH</b>		Révision / Revision C	
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