

KEY FEATURES

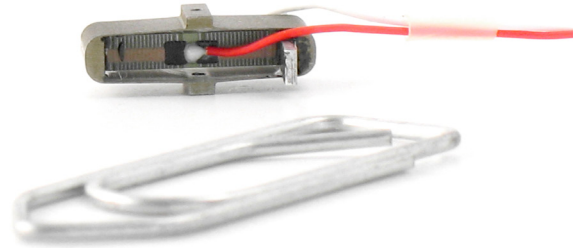
- > Low voltage piezo ceramic
- > Optimal preload for high dynamics
- > Mechanical Amplification
- > Compact Size
- > High Resolution

RELATED PRODUCTS

- > CTEC benchtop controllers
- > CTEC OEM controllers

AVAILABLE OPTIONS

- > Vacuum compatibility



NON CONTRACTUAL PICTURE

PARAMETER	VALUE	UNIT
> Quasistatic performances		
Nominal Stroke	130	µm
Min stroke	120	µm
Resolution ⁽¹⁾	7.4	nm
Blocked force	3.2	N
Stiffness	0.024	N/µm
> Dynamic performances		
Resonance frequency (free-free) ⁽²⁾	3 800	Hz
Resonance frequency (blocked-free) ⁽³⁾	1 100	Hz
Force limit ⁽⁴⁾	2.2	N
> Control & driving		
Voltage range	-20 ... 150	V
Capacitance ⁽⁵⁾	0.18	µF
> Dimensions & interfaces		
Height	5	mm
Length	14	mm
Width incl wires	9	mm
Mass	1.3	g
> Standard mechanical interfaces	See ICD	
> Electrical interface	See ICD	

ANNOTATIONS

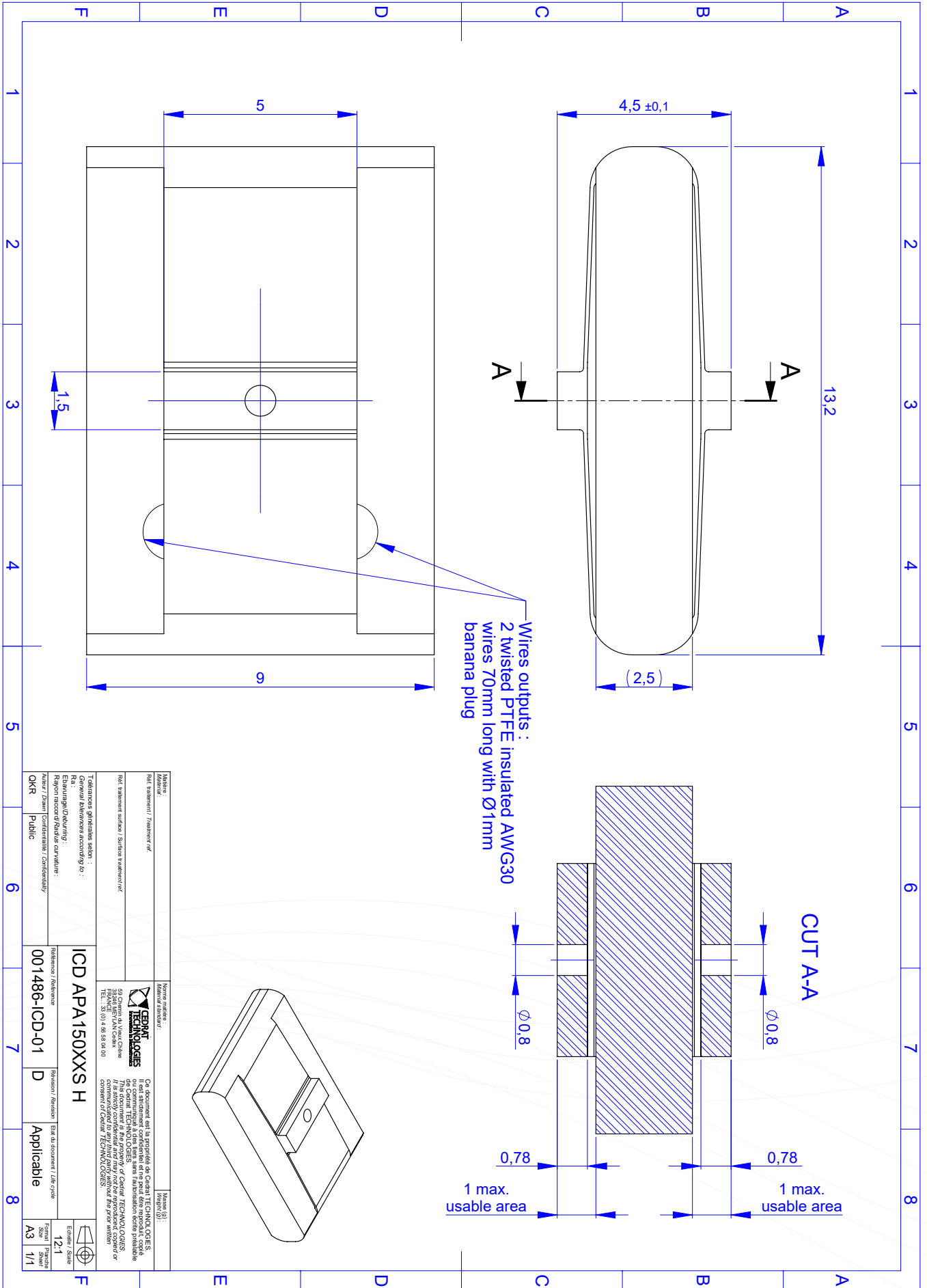
(1) Quasistatic excitation. With standard LA75 range amplifier. SNR=85dB computed as RMS output signal /RMS output Noise floor at [0;200Hz]

(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



Material: Ref. traitement / Treatment ref. Ref. traitement surface / Surface's treatment ref. Tolerances géométriques selon : Geom. of surfaces according to : Echantillon / Drawing: Règles / Norms / Conformance / Conformity: OKR Public		Version (01): 59 Chemin du Vieux Chêne Cedrat Technologies FRANCE (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.	
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