

KEY FEATURES

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

RELATED PRODUCTS

- > CTEC benchtop controllers
- > CTEC OEM controllers

AVAILABLE OPTIONS

- > SG sensor
- > Vacuum compatibility
- > Ultra High Vacuum
- > Non magnetic shell



NON CONTRACTUAL PICTURE

PARAMETER	VALUE	UNIT
> Quasistatic performances		
Nominal Stroke	67	µm
Min stroke	60	µm
Resolution ⁽¹⁾	3.8	nm
Blocked force	3 500	N
Stiffness	72	N/µm
> Dynamic performances		
Resonance frequency (free-free) ⁽²⁾	11000	Hz
Resonance frequency (blocked-free) ⁽³⁾	6 000	Hz
Force limit ⁽⁴⁾	1 500	N
> Control & driving		
Voltage range	-20 ... 150	V
Capacitance ⁽⁵⁾	13	µF
> Dimensions & interfaces		
Height	77	mm
Length	24	mm
Width incl wires	18	mm
Mass	120	g
> Standard mechanical interfaces	See ICD	
> Electrical interface	See ICD	

ANNOTATIONS

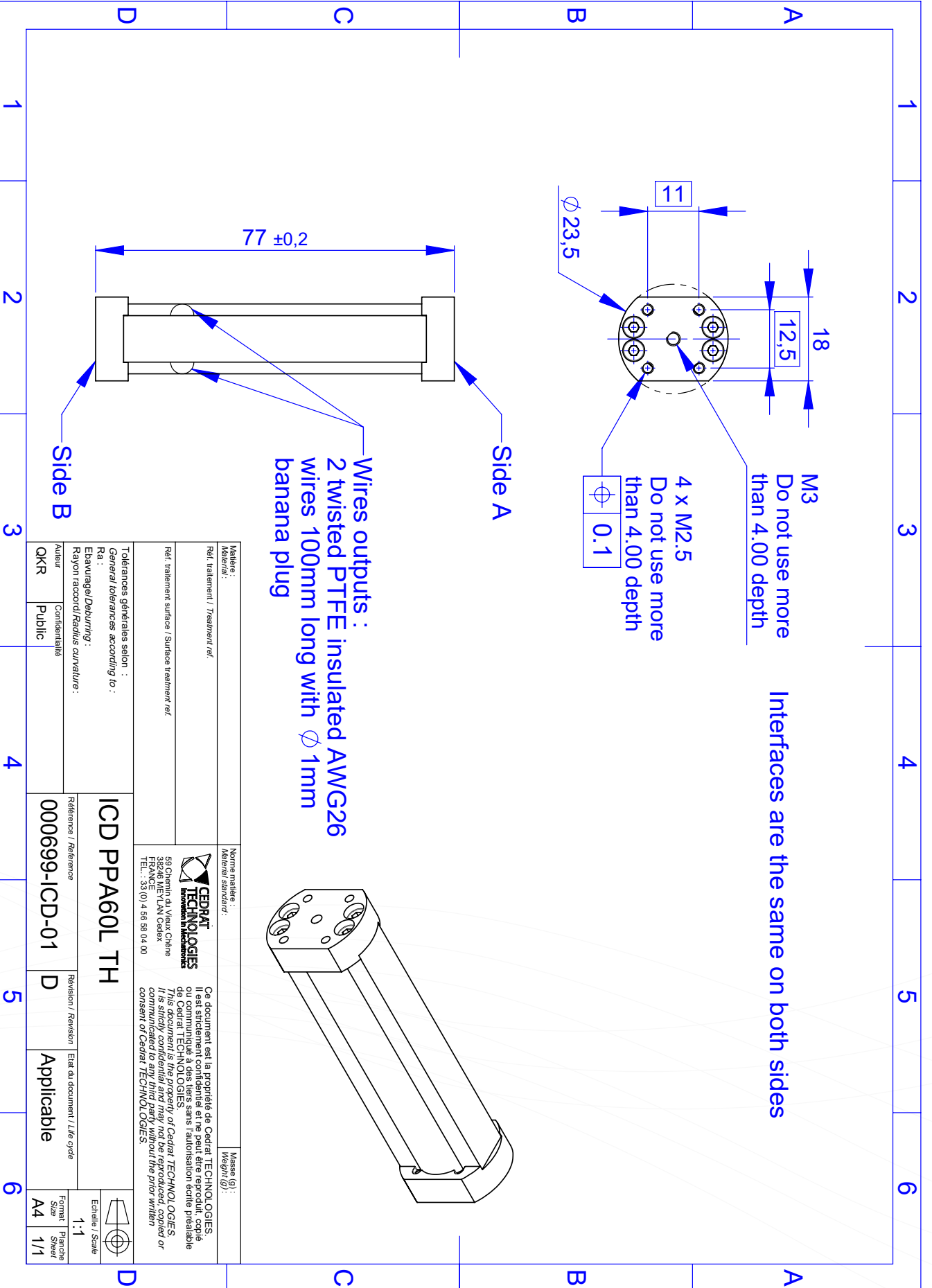
(1) Quasistatic excitation. With standard LA75 range amplifier. SNR=85dB computed as RMS output signal /RMS output Noise floor at [0;200Hz]

(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



Matière : Matériau :		Norme matière : Matériau standard :		Masse (g) : Poids (g) :	
Réf. traitement / Treatment ref.		CEDRAT TECHNOLOGIES Innovation in Mechatronics 59 Chemin du Vieux Chêne 38246 MEYLAN Cedex 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 communiqué à des tiers sans l'autorisation écrite préalable de Cedrat TECHNOLOGIES. This document is the property of Cedrat TECHNOLOGIES. It is strictly confidential and may not be reproduced or communicated to any third party without the prior written consent of Cedrat TECHNOLOGIES.	
Réf. traitement surface / Surface treatment ref.		ICD PPA60L TH		Etat du document / Life cycle	
Tolérances générées selon : General tolerances according to :		Révision / Revision		Applicable	
Ra :		000699-ICD-01		D	
Ebauvage/Deburring :		Auteur		Confidentialité	
Rayon raccordi/Radius curvature :		QKR		Public	
Référence / Reference		Échelle / Scale		Format / Paper Size	
000699-ICD-01		1 : 1		A4	
		1 : 1		1/1	