

APPLICATIONS

- > Large mirror for telescope
- > Fast steering mirror
- > Active stabilization

KEY FEATURES

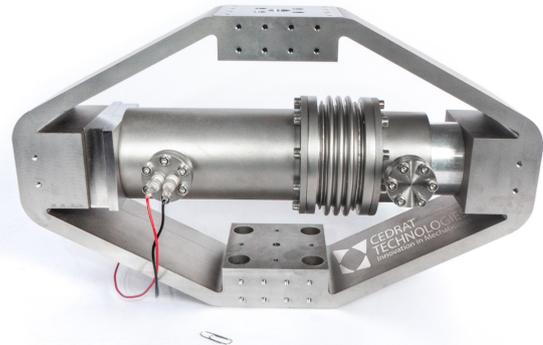
- > Long life high power piezo actuator
- > Amplified Piezoelectric Actuator
- > High voltage piezo ceramic
- > Hermetically sealed piezo stack
- > High force

AVAILABLE OPTIONS

- > Vacuum compatibility

AVAILABLE INTERFACES

- > On demand



NON CONTRACTUAL PICTURE

PARAMETER	VALUE	UNIT
> Quasistatic performances		
Nominal Stroke	690	µm
Min stroke	650	µm
Blocked force	44229	N
Stiffness	64.1	N/µm
> Dynamic performances		
Resonance frequency (free-free) ⁽¹⁾	1 090	Hz
Resonance frequency (blocked-free) ⁽²⁾	300	Hz
Force limit ⁽³⁾	20000	N
> Control & driving		
Voltage range	-200 ... 1 000	V
Capacitance ⁽⁴⁾	42	µF
> Dimensions & interfaces		
Height	215	mm
Length	367	mm
Width incl wires	176	mm
Mass	19	Kg

ANNOTATIONS

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

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

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

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