

APPLICATIONS

- > Fast steering mirror
- > Point ahead mechanism
- > Line of sight stabilisation
- > Microscanning
- > Pointing

KEY FEATURES

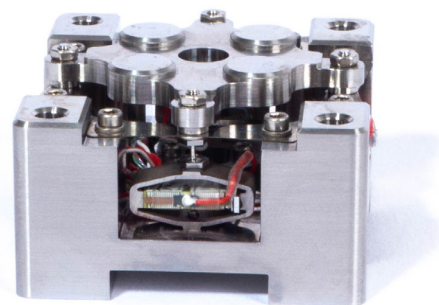
- > Compact & High Dynamic
- > Low capacitance & low power consumption
- > Symetric push pull mechanical and electrical design
- > Strain Gages sensor (SG)
- > Integrated SG conditioner
- > High resonance frequency
- > EE Prom with recorded performances data
- > Rugged to vibrations and shocks

RELATED PRODUCTS

- > CCB μ 20
- > CCB μ 40

AVAILABLE OPTIONS

- > Vacuum
- > Mirror integration



NON CONTRACTUAL PICTURE

PARAMETER	TYPICAL VALUE	UNIT
> Quasistatic performances ⁽⁴⁾		
Nominal stroke in open loop	1.8	mrad
Nominal stroke in close loop	1.6	mrad
Resolution ⁽²⁾	<1	μ rad
> Dynamic performances		
Unloaded Blocked - free resonance frequency ⁽³⁾	> 3.000	Hz
Loaded Blocked - free resonance frequency with \varnothing 25mm x 3 mm Fused silica mirror ⁽³⁾	> 1.700	Hz
> Driving		
Voltage range	-20 to +150	V
Capacitance ⁽⁴⁾	0.7	μ F

ANNOTATIONS

Guaranted in labs environment. A misused can lead to temporary or definitive alterations of properties. Contact CEDRAT TECHNOLOGIES prior using actuators under non standard technical conditions

(1) AC voltage, full range @ 1Hz at Ambient Temperature in open loop

(2) With close loop based on strain gages

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

(4) Per axis, quasistatic excitation, free-free, +/- 20%, at 1 V RMS without mirror