

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)
- > High resonance frequency
- > 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 | 4.8 | mrad |
| Nominal stroke in close loop | 4.5 | mrad |
| Resolution ⁽²⁾ | < 5 | μ rad |
| > Dynamic performances | | |
| Unloaded Blocked - free resonance frequency ⁽³⁾ | > 2 450 | Hz |
| Loaded Blocked - free resonance frequency with \varnothing 12.5mm x 3mm glass mirror ⁽³⁾ | > 2 100 | Hz |
| > Driving | | |
| Voltage range | -20 to +150 | V |
| Capacitance ⁽⁴⁾ | 0.7 | μ F |

ANNOTATIONS

Guaranteed 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 @ 1 Hz 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