

## 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
- > Rugged to vibrations and shocks

## RELATED PRODUCTS

- > CCBμ20
- > CCBμ40

## AVAILABLE OPTIONS

- > Vacuum
- > Mirror integration



NON CONTRACTUAL PICTURE

PARAMETER	TYPICAL VALUE	UNIT
<b>&gt; Quasistatic performances <sup>(4)</sup></b>		
Nominal stroke in open loop	24	mrad
Nominal stroke in close loop	20	mrad
Resolution <sup>(2)</sup>	0.24	μrad
<b>&gt; Dynamic performances</b>		
Unloaded Blocked - free resonance frequency <sup>(3)</sup>	> 2 000	Hz
Loaded Blocked - free resonance frequency with Ø25mm x 3mm glass mirror <sup>(3)</sup>	> 550	Hz
<b>&gt; Driving</b>		
Voltage range	-20 to +150	V
Capacitance <sup>(4)</sup>	2.8	μF

## 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