

APPLICATIONS

- > Vibration control
- > Positioning
- > Gas compression

KEY FEATURES

- > Flexure bearing
- > Infinite lifetime

RELATED PRODUCTS

- > CMA μ 10

AVAILABLE OPTIONS

- > Proof-mass

AVAILABLE INTERFACES

- > Wire connector



PARAMETER	TYPICAL VALUE	UNIT
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> Electrical and mechanical performances

Continuous force ⁽¹⁾	60	N
Peak force ⁽²⁾	180	N
Nominal current	0.75	A
Peak current	3	A
Inductance	300	mH
DC resistance	18	Ohm
Nominal stroke ⁽³⁾	4	mm
Minimum stroke ⁽³⁾	3.5	mm
Moving mass	230	g
Resonance frequency ⁽⁴⁾	35	Hz

> Thermal performances

Thermal Sensor included	No	
Thermal heat sinking at ambient air ⁽⁵⁾	21	°C/W
Thermal heat sinking under vacuum ⁽⁵⁾	45	°C/W
Max. allowable coil temperature ⁽⁶⁾	150	°C
Coil heating time constant at ambient air	700	s

> Dimensions & mass

Mass ⁽⁷⁾	540	g
Diameter	44	mm
Length	70	mm

ANNOTATIONS

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

(1) Obtained at nominal current

(2) Obtained at peak current

(3) Peak-peak value

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

(5) Heat Sinking thermal resistance between coil and mechanical interface temperature

(6) Maximum coil temperature allowed during continuous operation according to (5)

(7) Electrical wires excluded