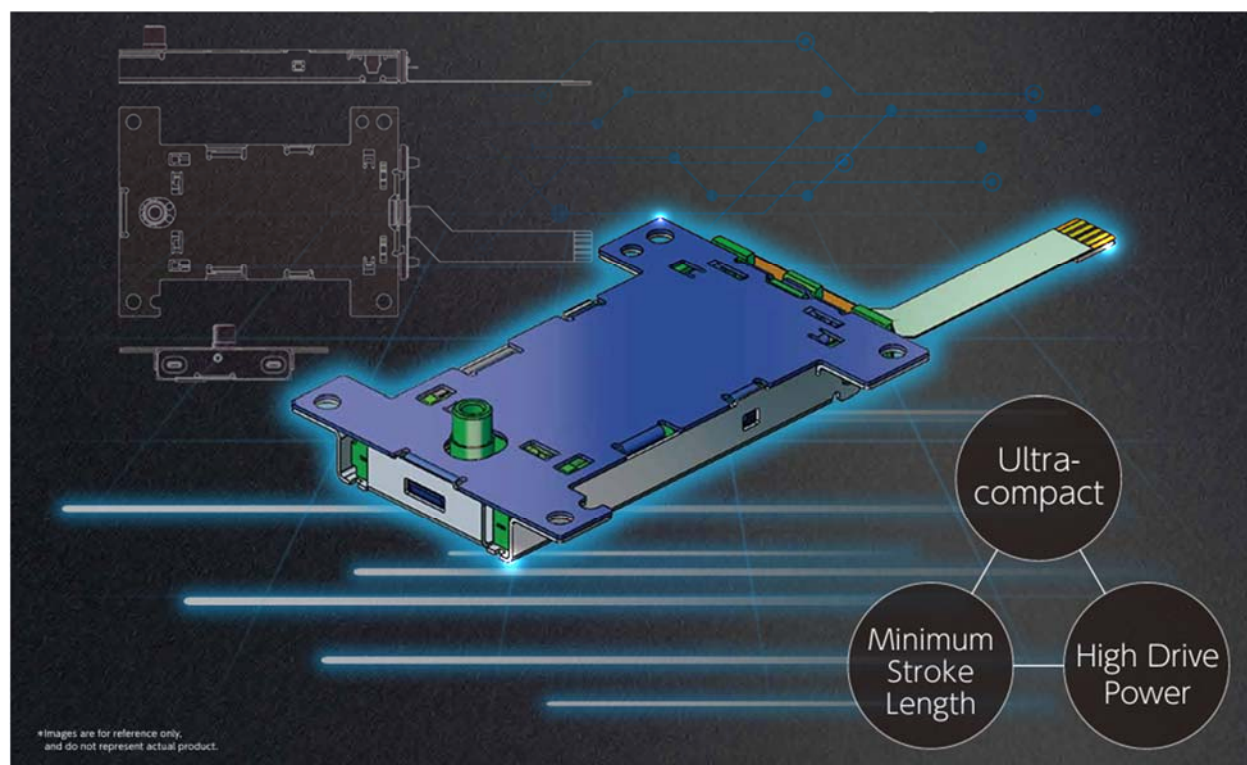


Compact Actuator Device

Ultra-compact High Output Force and a Miniscule Stroke.

World's smallest class actuator with no need of magnet



Compact Mechanism Achieved Minimum Stroke Length and High Drive Power

Features

- New driving principle without the need of magnet
Actuator with new method independent of magnet for driving principle
Flexibly fit for various positions in equipment with no magnetic influence to surrounding devices
- Stroke from several tens to several hundreds of μm order
Enables to have the range between that of the main conventional actuators of electromagnetic motors (mm order) and of MEMS (μm order)



Electromagnetic
motors
(mm order)



This
Product



MEMS
(μm order)

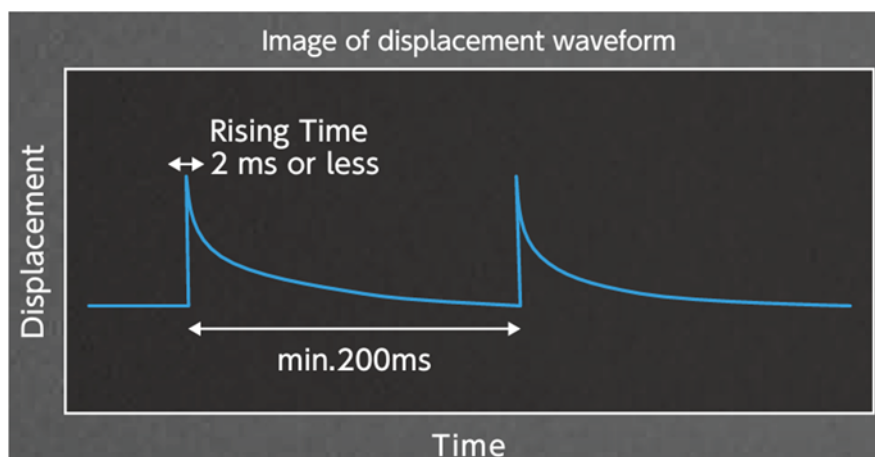
•Specification indicated in this Technical Report is outline only at present. Any products in this Technical Report are subject to any modification for further development and the products improvements without prior notification. •When employing the product, use of an officially authorized specification is recommended. •Please feel free to contact us with any enquiries about our products and their uses.



Features

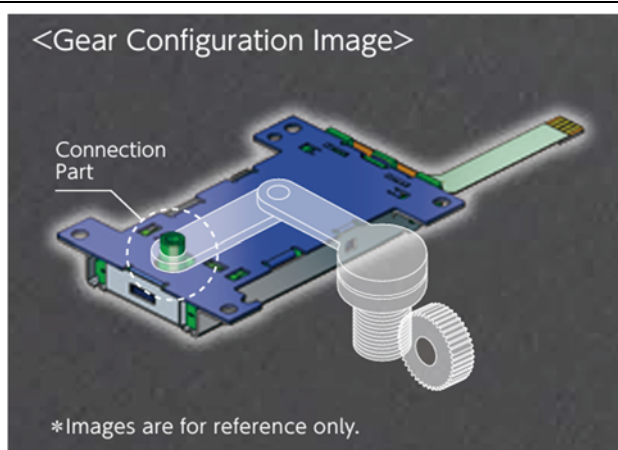
- Realized small, high-speed response*, and high drive power

*Time until the maximum displacement



Applications

- Actuator for discharging trace liquid
- Drastic miniaturizing of a product through actuator replacement



Specifications

Item	Specification
Dimensions	17 × 24.1 × 2.9mm
Operating Temperature Range	−20 to 50°C
Driving Power	2N or more
Response Time	2ms or less
Stroke	0.5mm
Intermittent Time	200ms min

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