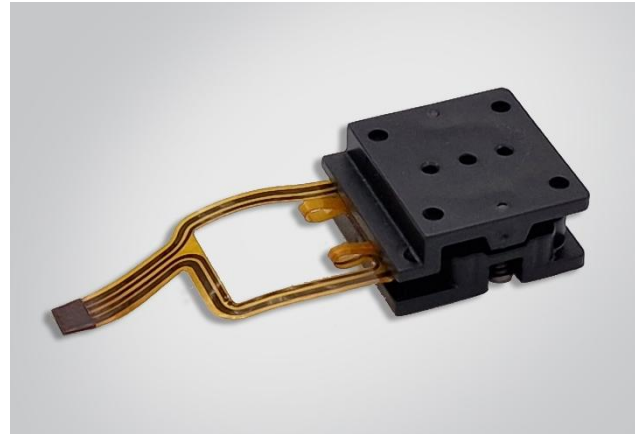


HAPTIC-FORCE ACTUATOR M1

Product Brief

Feature List

- Large displacement
- High acceleration
- Fast response time
- Integrated CapSense and piezo sensing



Technical Data

Parameter	Value
Mechanical dimensions	57.6 x 22 x 10 mm
Weight	5 g
Operating temperature	-40 °C ... +85 °C
Storage temperature	-40 °C ... +85 °C
Piezo element	TDK PowerHap™ 1313H018V120
Housing material	ABS/PC

Electrical Characteristics at 25 °C

Parameter	Conditions	Value (typ.)
Operating voltage range		0 ... 120 V
Capacitance piezo	1 kHz, 1 V RMS	0.9 µF
Capacitance CapSense	Idle	3 pF (approx.)
Displacement	0 ... 120 V	65 µm (approx.)
Loading charge piezo	0 ... 120 V	0.19 mC