

Piezo actuator M1

Feature

- ◆ 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	-25 °C ... +45 °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 (C)	1 kHz, 1 V RMS	0.9 µF
Capacitance CapSense (C)	Idle	3 pF (approx.)
Displacement (s)	0 ... 120 V	65 µm (approx.)
Loading charge piezo (Q)	0 ... 120 V	0.19 mC

Works with next system Haptics Controller Gen.5

Patent pending in Europe and USA