

Piezo LEGS® LT40D Linear Actuator Specifications

TYPE	NON-MAGNETIC, VACUUM (D)
Maximum stroke	67 mm
Maximum speed (driver dependent)	12 mm/s
Minimum speed (driver dependent)	1 nm/s
Max operating frequency	3 kHz
Minimal incremental motion	0.5 nm
Stall force	40 N
Holding force	>40 N
Vacuum	10 ⁻⁷ torr
Non-magnetic	Yes
Operating voltage	42-48 V
Power consumption	20 mW/Hz
Mechanical size L x H x D	32.1 x 24.2 x 23.1 mm
Weight with 50 mm drive rod	61 g
Material in motor housing	Arcap
Operating temperature (recommended)	-20 to +70°C
Storage temperature	-50 to 85°C

All specifications are subject to change without notice. Latest data sheets are available on acuvi.com

Controllers

PMD301 1-axis micro-step driver/controller - max 3 kHz, RS485 or USB
PMD401 1-axis micro-step driver/controller - stackable PCB, max 1.5 kHz, RS485 or SPI

Accessories

Starter Kit PMD401 controller, motor cables, USB-to-RS485 cable, and power supply
Piezo Drive lab software downloadable from acuvi.com

