

1.3 Low voltage electrostrictive stacks



Operating voltage 0 V thru +150 V, arbitrary polarity

Bare stacks: on request

Stacks with preloaded casings VS

Est 150/5/... VS10

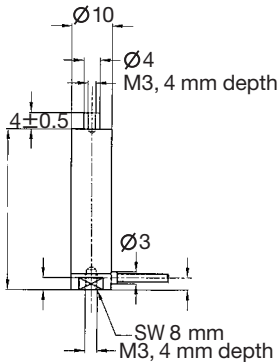
General data: see brochure: "First Steps towards Piezoaction"

Prestress force = max. tensile force = 150 N

Maximum compressive load: 500 N

Open loop sensitivity for Est 150/5/6 VS10

at 1 mV amplifier noise: approx. 0.05 Nanometer



VS 10

Type	max. stroke μm	length mm	el. capacitance nF	stiffness N/ μm
Est 150/5/6 VS10	6	19	600	50
Est 150/5/12 VS10	12	28	1200	25
Est 150/5/18 VS10	18	37	1800	16
Est 150/5/25 VS10	25	46	2400	12

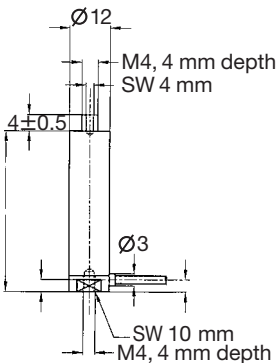
Est 150/7/... VS12

General data: see brochure: "First Steps towards Piezoaction"

Prestress force = max. tensile force = 200 N

Maximum compressive load: 1000 N

Open loop sensitivity for Est 150/7/6 VS12 at 1 mV amplifier noise: approx. 0.05 Nanometer



VS 12

Type	max. stroke μm	length mm	el. capacitance μF	stiffness N/ μm
Est 150/7/6 VS12	6	19	2	100
Est 150/7/12 VS12	12	28	4.2	50
Est 150/7/18 VS12	18	37	6.3	33
Est 150/7/25 VS12	25	46	8.4	25
Est 150/7/40 VS12	40	64	12.6	20