

## Piezocomposite – stack type actuators series PSt

Series PSt without casing and without preload, diameter 35 mm, 1000 V

### Characteristics:

- max. load: 70000 N
- max. force generation: 50000 N (@ maximum voltage)

### Applications:

- shock wave generation
- stabilization
- test and acceleration sensors
- active vibration damping
- fuel injection
- active engine mounting
- as well as all kind of positioning tasks which require high loads and/or extreme accelerations

### Options:

- piezo material: HP (high power, high capacitance)
- low temperature modification
- UHV modification
- SG measurement systems



**Image:** Stack type actuators with different diameters and length

### Standard configuration

		unit		
<b>cable length</b>	without connector	m		0,08
<b>ceramic</b>		–	HS/HT	HP*
<b>temperature range</b>		°C/°F	to 200/to 390	to 90/to 190

\* optional on request

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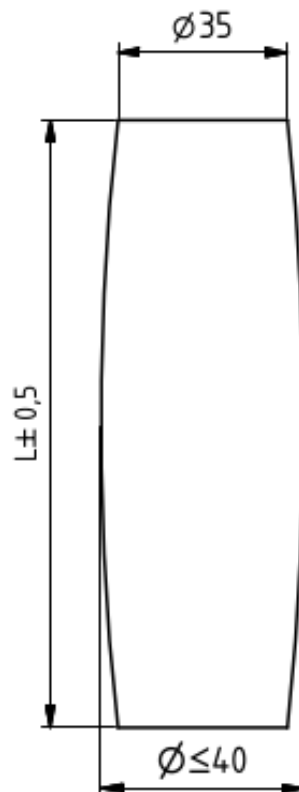
### Series PSt 1000 V, diameter 35 mm

type	max. stroke* [μm]	length [mm]	capacitance [nF]	stiffness** [N/μm]	resonant frequency [kHz]
PSt 1000/35/7	12/7	9	300	4000	60
PSt 1000/35/20	27/20	18	800	2000	40
PSt 1000/35/40	55/40	36	1600	1000	25
PSt 1000/35/60	80/60	54	2500	600	20
PSt 1000/35/80	105/80	72	3300	450	15
PSt 100/35/>80	>80	on request			

\* Motion at voltage -200 V to 1000 V/0 V to 1000 V

\*\* Determined with short-circuited actuator respectively connected amplifier.

### Drawing:



Rights reserved to change specifications as progress occurs without notice!