



The Piezo Square Stack actuators pss.. are high volt elements which can be cost effectively produced with square or rectangular basal planes. They can be used in both dynamic and static applications. Marco has developed a special, innovative contacting technology which considerably increases the longevity of the actuators.

The data in the following table apply to the material FPM220. We do, of course, manufacture actuators in all our materials and to your specific requirements.

Examples of practicable versions

marco no. measurements (H x B x D)	max. U_B (E = 2 kV/mm) [V]	Perm. load [kN]	Stiffness [N/ μ m]	Stroke at U_{max} [μ m]	Resonance frequency [kHz]	Capacity [nF]
pss/61/16x8x8/a	600	2	60	23	78	208
pss/61/31x8x8/a	600	2	31	45	40	417
pss/61/46x8x8/a	600	2	21	68	27	625
pss/51/16x8x8/a	500	2	60	23	78	300
pss/51/31x8x8/a	500	2	31	45	40	600
pss/51/46x8x8/a	500	2	21	68	27	900
pss/41/16x8x8/a	400	2	60	23	78	469
pss/41/31x8x8/a	400	2	31	45	40	938
pss/41/46x8x8/a	400	2	21	68	27	1400
pss/31/16x8x8/a	300	2	60	23	78	833
pss/31/31x8x8/a	300	2	31	45	40	1666
pss/31/46x8x8/a	300	2	21	68	27	2500
pss/101/16x13x13/a	1000	5,3	169	23	73	198
pss/101/31x13x13/a	1000	5,3	82	45	39	396
pss/101/46x13x13/a	1000	5,3	55	68	24	594
pss/81/16x13x13/a	800	5,3	169	23	73	309
pss/81/31x13x13/a	800	5,3	82	45	39	618
pss/81/46x13x13/a	800	5,3	55	68	24	928
pss/61/16x13x13/a	600	5,3	169	23	73	550
pss/61/31x13x13/a	600	5,3	82	45	39	1101
pss/61/46x13x13/a	600	5,3	55	68	24	1650
pss/41/16x13x13/a	400	5,3	169	23	73	1237
pss/41/31x13x13/a	400	5,3	82	45	39	2476
pss/41/46x13x13/a	400	5,3	55	68	24	3713

Identification	Release	Description
pss..	1.0	Piezo Square Stack Actuators