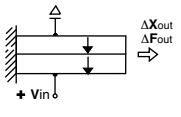
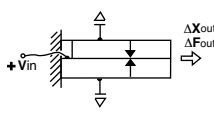


2-PIEZO LAYER EXTENSION MOTORS STANDARD - BRASS REINFORCED

PERFORMANCE: BRASS SHIM EXTENSION MOTORS										VALUES TO BE USED AS GUIDELINES
PART NUMBERS (BRASS REINFORCED EXTENDER)		WEIGHT (Grams)	STIFFNESS (N/m)	CAPACITANCE (nF) (Series Operation)	CAPACITANCE (nF) (Parallel Operation)	RATED VOLTAGE (Vp) (Series Operation)	RATED VOLTAGE (Vp) (Parallel Operation)	RESONANT FREQUENCY ① (Hz)	FREE DEFLECTION ① (µm)	BLOCKED FORCE ① (N)
 Y-poled for series extension operation (2 wire).	 X-poled for parallel extension operation (3 wire).									
.015" (.38mm) THICK										
T215-A4-103Y	T215-A4-103X	.30	2x10 ⁶	5	20	± 120	± 60	30,000	± 2.8	± 5
T215-A4-203Y	T215-A4-203X	.60	3x10 ⁶	10	40	± 120	± 60	30,000	± 2.8	± 9
T215-A4-303Y	T215-A4-303X	1.2	6x10 ⁶	20	80	± 120	± 60	30,000	± 2.8	± 19
T215-A4-503Y	T215-A4-503X	6.0	8x10 ⁶	100	400	± 120	± 60	15,000	± 5.7	± 47
T215-H4-103Y	T215-H4-103X	.30	2x10 ⁶	8	32	± 80	± 40	30,000	± 2.8	± 5
T215-H4-203Y	T215-H4-203X	.60	3x10 ⁶	16	64	± 80	± 40	30,000	± 2.8	± 9
T215-H4-303Y	T215-H4-303X	1.2	6x10 ⁶	32	128	± 80	± 40	30,000	± 2.8	± 19
T215-H4-503Y	T215-H4-503X	6.0	8x10 ⁶	160	640	± 80	± 40	15,000	± 5.7	± 47
.020" (.51mm) THICK										
T220-A4-103Y	T220-A4-103X	.40	2x10 ⁶	3.5	14	± 180	± 90	29,500	± 3.2	± 7
T220-A4-203Y	T220-A4-203X	.80	4x10 ⁶	7	29	± 180	± 90	29,500	± 3.2	± 14
T220-A4-303Y	T220-A4-303X	1.6	9x10 ⁶	15	58	± 180	± 90	29,500	± 3.2	± 29
T220-A4-503Y	T220-A4-503X	8.0	11x10 ⁶	73	292	± 180	± 90	14,750	± 6.4	± 72
T220-H4-103Y	T220-H4-103X	.40	2x10 ⁶	6.0	24	± 120	± 60	29,500	± 3.2	± 7
T220-H4-203Y	T220-H4-203X	.80	4x10 ⁶	12	48	± 120	± 60	29,500	± 3.2	± 14
T220-H4-303Y	T220-H4-303X	1.6	9x10 ⁶	24	96	± 120	± 60	29,500	± 3.2	± 29
T220-H4-503Y	T220-H4-503X	8.0	11x10 ⁶	120	480	± 120	± 60	14,750	± 6.4	± 72
.026" (.66mm) THICK										
T226-A4-103Y	T226-A4-103X	.51	3x10 ⁶	2.5	10	± 260	± 130	29,000	± 3.4	± 10
T226-A4-203Y	T226-A4-203X	1.1	6x10 ⁶	5	20	± 260	± 130	29,000	± 3.4	± 20
T226-A4-303Y	T226-A4-303X	2.1	12x10 ⁶	10	40	± 260	± 130	29,000	± 3.4	± 40
T226-A4-503Y	T226-A4-503X	10.3	15x10 ⁶	50	200	± 260	± 130	14,500	± 6.8	± 100
T226-H4-103Y	T226-H4-103X	.51	3x10 ⁶	4	16	± 170	± 85	29,000	± 3.4	± 10
T226-H4-203Y	T226-H4-203X	1.1	6x10 ⁶	8	32	± 170	± 85	29,000	± 3.4	± 20
T226-H4-303Y	T226-H4-303X	2.1	12x10 ⁶	17	68	± 170	± 85	29,000	± 3.4	± 40
T226-H4-503Y	T226-H4-503X	10.3	15x10 ⁶	85	340	± 170	± 85	14,500	± 6.8	± 100

① -103, -203, and -303 performance is based on a 1.0" extension length. -503 performance based on 2.0" extension length. Suitable for cryogenic use.

ROHS: Compliant.

PRICES: (See page 33)