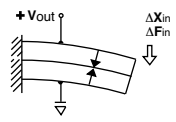
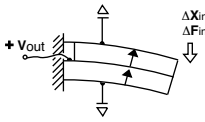


### 2-PIEZO LAYER BENDING GENERATORS STANDARD - BRASS REINFORCED

PERFORMANCE: BRASS SHIM BENDING GENERATORS (Cantilever mount)										VALUES TO BE USED AS GUIDELINES
PART NUMBERS (BRASS REINFORCED BENDER)		WEIGHT (grams)	STIFFNESS (N/m)	CAPACITANCE (nF) (Series Operation)	CAPACITANCE (nF) (Parallel Operation)	RATED TIP DEFLECTION ① (mm/peak)	RATED FREQUENCY ① (Hz)	OPEN CIRCUIT VOLTAGE ① At rated deflection, parallel operation (V <sub>peak</sub> )	CLOSED CIRCUIT CURRENT ① Per sinusoidal cycle, at rated deflection, parallel operation. (μA <sub>peak</sub> / Hz)	RATED OUTPUT POWER ① At rated deflection and frequency (mW <sub>rms</sub> )
										
X-poled for series bending operation (2 wire).										
Y-poled for parallel bending operation (3 wire).										
<b>.015" (.38mm) THICK</b>										
T215-A4-103X	T215-A4-103Y	.30	1.3x10 <sup>2</sup>	5	20	± .51	250	± 12	± 2	0.8
T215-A4-203X	T215-A4-203Y	.60	2.7x10 <sup>2</sup>	10	40	± .51	250	± 12	± 4	1.5
T215-A4-303X	T215-A4-303Y	1.2	5.3x10 <sup>2</sup>	20	80	± .51	250	± 12	± 8	3.0
T215-A4-503X	T215-A4-503Y	6.0	1.6x10 <sup>2</sup>	100	400	± 2.1	63	± 12	± 42	4.0
T215-H4-103X	T215-H4-103Y	.30	1.3x10 <sup>2</sup>	8	32	± .51	250	± 10	± 3	0.9
T215-H4-203X	T215-H4-203Y	.60	2.7x10 <sup>2</sup>	16	64	± .51	250	± 10	± 7	2.2
T215-H4-303X	T215-H4-303Y	1.2	5.3x10 <sup>2</sup>	32	128	± .51	250	± 10	± 14	4.4
T215-H4-503X	T215-H4-503Y	6.0	1.6x10 <sup>2</sup>	160	640	± 2.1	63	± 10	± 69	5.4
<b>.020" (.51mm) THICK</b>										
T220-A4-103X	T220-A4-103Y	.40	2.8x10 <sup>2</sup>	3.5	14	± .38	320	± 16	± 1.5	1.0
T220-A4-203X	T220-A4-203Y	.80	5.6x10 <sup>2</sup>	7	29	± .38	320	± 16	± 3	1.9
T220-A4-303X	T220-A4-303Y	1.6	1.1x10 <sup>3</sup>	15	58	± .38	320	± 16	± 7	4.5
T220-A4-503X	T220-A4-503Y	8.0	3.5x10 <sup>2</sup>	73	292	± 1.57	80	± 16	± 34	5.4
T220-H4-103X	T220-H4-103Y	.40	2.8x10 <sup>2</sup>	6.	24	± .38	320	± 13	± 2.5	1.3
T220-H4-203X	T220-H4-203Y	.80	5.6x10 <sup>2</sup>	12	48	± .38	320	± 13	± 5	2.6
T220-H4-303X	T220-H4-303Y	1.6	1.1x10 <sup>3</sup>	24	96	± .38	320	± 13	± 11	5.7
T220-H4-503X	T220-H4-503Y	8.0	3.5x10 <sup>2</sup>	120	480	± 1.57	80	± 13	± 55	7.2
<b>.026" (.66mm) THICK</b>										
T226-A4-103X	T226-A4-103Y	.51	0.7x10 <sup>3</sup>	2.5	10	± .30	400	± 22	± 1	1.1
T226-A4-203X	T226-A4-203Y	1.1	1.5x10 <sup>3</sup>	5	20	± .30	400	± 22	± 2	2.2
T226-A4-303X	T226-A4-303Y	2.1	3.0x10 <sup>3</sup>	10	40	± .30	400	± 22	± 5	5.5
T226-A4-503X	T226-A4-503Y	10.3	0.9x10 <sup>3</sup>	50	200	± 1.22	100	± 22	± 24	6.6
T226-H4-103X	T226-H4-103Y	.51	0.7x10 <sup>3</sup>	4	16	± .30	400	± 18	± 2	1.8
T226-H4-203X	T226-H4-203Y	1.1	1.5x10 <sup>3</sup>	8	32	± .30	400	± 18	± 4	3.6
T226-H4-303X	T226-H4-303Y	2.1	3.0x10 <sup>3</sup>	17	68	± .30	400	± 18	± 8	7.2
T226-H4-503X	T226-H4-503Y	10.3	0.9x10 <sup>3</sup>	85	340	± 1.22	100	± 18	± 39	8.8

① -103, -203, and -303 performance is based on a 1.0" bending length. -503 performance based on 2.0" bending length. Suitable for cytogenic use. **ROHS: Compliant.** PRICES: (See page 33)