

2-PIEZO LAYER EXTENSION GENERATORS STANDARD - BRASS REINFORCED

PERFORMANCE: BRASS SHIM EXTENSION GENERATORS										VALUES TO BE USED AS GUIDELINES
PART NUMBERS (BRASS REINFORCED EXTENDER)		WEIGHT (grams)	STIFFNESS (N/m)	CAPACITANCE (nF)		RATED TIP DEFLECTION ① ($\mu\text{m}_{\text{peak}}$)	RATED FREQUENCY ① At rated tip deflection (Hz)	OPEN CIRCUIT VOLTAGE ① At rated deflection, parallel operation (V _{peak})	CLOSED CIRCUIT CURRENT ① Per sinusoidal cycle, at rated deflection, parallel operation. ($\mu\text{A}_{\text{peak}}$ / Hz)	RATED OUTPUT POWER ① At rated deflection and frequency, parallel operation. (mW _{rms})
Y-poled for series extension operation (2 wire).	X-poled for parallel extension operation (3 wire).			(Series Operation)	(Parallel Operation)					
.015" (.38mm) THICK										
T215-A4-103Y	T215-A4-103X	.30	2x10 ⁶	5	20	± 13	1000	± 57	± 5	36
T215-A4-203Y	T215-A4-203X	.60	3x10 ⁶	10	40	± 13	1000	± 57	± 11	78
T215-A4-303Y	T215-A4-303X	1.2	6x10 ⁶	20	80	± 13	1000	± 57	± 21	150
T215-A4-503Y	T215-A4-503X	6.0	8x10 ⁶	100	400	± 25	500	± 57	± 110	392
T215-H4-103Y	T215-H4-103X	.30	2x10 ⁶	8	32	± 13	1000	± 47	± 8	47
T215-H4-203Y	T215-H4-203X	.60	3x10 ⁶	16	64	± 13	1000	± 47	± 17	100
T215-H4-303Y	T215-H4-303X	1.2	6x10 ⁶	32	128	± 13	1000	± 47	± 33	194
T215-H4-503Y	T215-H4-503X	6.0	8x10 ⁶	160	640	± 25	500	± 47	± 172	510
.020" (.51mm) THICK										
T220-A4-103Y	T220-A4-103X	.40	2x10 ⁶	3.5	14	± 13	1500	± 82	± 5	77
T220-A4-203Y	T220-A4-203X	.80	4x10 ⁶	7	29	± 13	1500	± 82	± 11	170
T220-A4-303Y	T220-A4-303X	1.6	9x10 ⁶	15	58	± 13	1500	± 82	± 21	320
T220-A4-503Y	T220-A4-503X	8.0	11x10 ⁶	73	292	± 25	750	± 82	± 110	850
T220-H4-103Y	T220-H4-103X	.40	2x10 ⁶	6	24	± 13	1500	± 67	± 8	100
T220-H4-203Y	T220-H4-203X	.80	4x10 ⁶	12	48	± 13	1500	± 67	± 17	210
T220-H4-303Y	T220-H4-303X	1.6	9x10 ⁶	24	96	± 13	1500	± 67	± 33	410
T220-H4-503Y	T220-H4-503X	8.0	11x10 ⁶	120	480	± 25	750	± 67	± 172	1,100
.026" (.66mm) THICK										
T226-A4-103Y	T226-A4-103X	.51	3x10 ⁶	2.5	10	± 13	2000	± 116	± 5	150
T226-A4-203Y	T226-A4-203X	1.1	6x10 ⁶	5	20	± 13	2000	± 116	± 11	320
T226-A4-303Y	T226-A4-303X	2.1	12x10 ⁶	10	40	± 13	2000	± 116	± 21	610
T226-A4-503Y	T226-A4-503X	10.3	15x10 ⁶	50	200	± 25	1000	± 116	± 110	1,600
T226-H4-103Y	T226-H4-103X	.51	3x10 ⁶	4	16	± 13	2000	± 95	± 8	190
T226-H4-203Y	T226-H4-203X	1.1	6x10 ⁶	8	32	± 13	2000	± 95	± 17	400
T226-H4-303Y	T226-H4-303X	2.1	12x10 ⁶	17	68	± 13	2000	± 95	± 33	780
T226-H4-503Y	T226-H4-503X	10.3	15x10 ⁶	85	340	± 25	1000	± 95	± 172	2,000

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.

RICES: (See page 33)