

PROJECTS UNLIMITED Audio Transducers & Elements



ELECTROMECHANICAL AUDIO TRANSDUCERS

Specifications:

- Surface mount transducers are compatible with convection, IR and vapor phase
- Resonant frequency is typical
- Externally driven-require driver circuit to operate
- Tone dependent upon driver circuit used

SMT Mount Type

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
665-SMT-753	SMT-753	A	2830 Hz	3.6 Vp-p	100 mA	93	10.0 x 10.0 x 3.5	2.88	2.62	2.29	1.94
665-SMT-916	SMT-916	A	2730 Hz	3.6 Vp-p	100 mA	85	9.0 x 9.0 x 4.0	3.64	3.37	2.91	2.55
665-SMT-05	SMT-05	A	2700 Hz	5.0 Vdc	80mA	85	14.0 x 11.0 x 3.4	3.76	3.23	2.79	2.44

PCB Mount Type

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
* 665-AT-02	AT-02	D	2048 Hz	6 Vp-p	40 mA	85	ø16.0 x 14.0	1.43	1.30	1.14	1.08
665-MAT-001	MAT-001	D	3100 Hz	1.5 Vp-p	80 mA	85	ø9.6 x 6.5	4.84	4.40	3.85	3.25
665-AT-10Z	AT-10Z	E	2048 Hz	1.5 Vp-p	10 mA	85	ø12.0 x 8.5	.81	.74	.62	.54
* 665-AT-08	AT-08	E	2400 Hz	5 Vp-p	40 mA	85	ø12.0 x 9.5	1.14	1.04	.91	.86
665-AT-101Z	AT-101Z	F	2048 Hz	1.5 Vp-p	10 mA	85	ø12.0 x 5.4	.73	.66	.58	.55

* Wave solderable and washable.



PIEZO AUDIO TRANSDUCERS

Specifications:

- Resonant frequency is typical
- Surface mount transducers are compatible with convection, IR and vapor phase
- Externally driven-require driver circuit to operate
- AT-121 has a third wire for feedback connection

SMT Mount Type

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
665-SMT-1325	SMT-1325	B	4100 Hz	5 Vp-p	3 mA	75	12.8 x 12.8 x 2.5	2.05	1.86	1.63	1.38
665-SMT-1625	SMT-1625	B	4000 Hz	5 Vp-p	3 mA	70	16.0 x 16.0 x 2.5	1.80	1.64	1.44	1.22
665-SMT-2114A	SMT-2114A	C	4300 Hz	5 Vp-p	8 mA	90	14.8 x 14.2 x 10.7	3.15	2.86	2.50	2.11
665-SMT2118	SMT-2118	C	3000 Hz	5 Vp-p	7 mA	86	14.8 x 17.9 x 11.9	3.19	2.90	2.54	2.15

PCB Mount Type

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
665-AT-124	AT-124	G	5800 Hz	5 Vp-p	2.5 mA	85	ø24.0 x 4.5	1.87	1.70	1.49	1.26
665-AT-132	AT-132	G	4600 Hz	5 Vp-p	1.8 mA	94	ø30.0 x 7.5	1.85	1.68	1.47	1.24
665-AT-138	AT-138	H	2800 Hz	12 Vp-p	8 mA	100	ø42.0 x 14.0	2.11	1.92	1.68	1.58
665-AT-148	AT-148	H	1300 Hz	10 Vp-p	11 mA	90	ø43.8 x 16.5	2.66	2.42	2.12	1.79
665-AT-17	AT-17	E	3800 Hz	5 Vp-p	1 mA	80	ø13.8 x 6.8	2.16	1.96	1.72	1.62
665-AT-20K	AT-20	G	4000 Hz	3 Vp-p	1 mA	85	ø24.0 x 7.3	1.30	1.18	1.03	.98
665-AT-22	AT-22	H	2800 Hz	12 Vp-p	8 mA	90	ø24.0 x 12.2	1.94	1.76	1.54	1.30
665-AT-23K	AT-23	I	3100 Hz	15 Vp-p	9 mA	94	ø28.5 x 6.2	2.35	2.14	1.87	1.58
665-AT-24K	AT-24	I	3600 Hz	15 Vp-p	8 mA	105	ø22.5 x 6.0	2.13	1.94	1.70	1.44
665-AT-33K	AT-33	J	2700 Hz	15 Vp-p	8 mA	96	ø23.6 x 8.1	3.56	3.24	2.84	2.40
665-AT-152	AT-152	J	4000 Hz	3 Vp-p	11 mA	80	ø16.5 x 4.0	1.30	1.18	1.03	.98
665-AT-2220-1	AT-2220-1	J	2048 Hz	10Vp-p	4mA	88	ø23.0 x 9.0	1.50	1.40	1.28	1.20

Flush and Flange Mount Type

MOUSER STOCK NO.	PUI Part No.	Fig.	Resonant Frequency	Rated Voltage	Current Cons. (max.)	dBA @ 10 cm (typ.)	Dimensions (mm)	Price Each			
								1	25	50	100
665-AT-150	AT-150	K	4000 Hz	3 Vp-p	11 mA	80	ø16.5 x 4.0	1.10	1.00	.88	.82
665-AT-12	AT-12	L	5500 Hz	15 Vp-p	---	95	ø24.0 x 4.0	1.76	1.50	1.31	1.11
665-AT-121	AT-121	M	5000 Hz	12 VDC	8 mA	95	ø24.0 x 5.2	1.23	1.12	.98	.84
665-AT-142	AT-142	M	750 Hz	5 Vp-p	---	85	ø44.0 x 14.0	2.11	1.92	1.68	1.42
665-AT-15	AT-15	M	3900 Hz	15 Vp-p	---	105	ø30.0 x 5.1	1.21	1.10	.96	.81
665-AT-14	AT-14	N	3300	16 Vp-p	---	110	ø41.8 x 16.0	2.11	1.92	1.68	1.59
665-AT-173	AT-173	N	3700 Hz	12 VDC	7 mA	98	ø32.0 x 13.5	1.80	1.64	1.44	1.22
665-AT-130	AT-130	K	4800 Hz	10Vp-p	5mA	80	ø13.0 x 2.5	1.20	1.08	1.02	.96



PIEZO CERAMIC BENDERS (ELEMENTS)

Features:

- Variety of tones available if connected to an IC (TTL or CMOS drive)

Applications:

- Appliances, office equipment, cameras, calculators, pagers, telephones.

MOUSER STOCK NO.	PUI Part No.	Fig.	Feedback Electrode	Resonant Freq. (Hz)	Input Volt.	Electrostatic Cap. (±30%)	Resonant Resist (max)	Dimensions (mm)		Price Each		
								A	B	1	25	50
665-AB2065B	AB2065B	O	No	6500	30Vp-p	14 nF	500 Ohms	20.0 ± 0.1	15.0 ± 0.3	.20	.18	.16
665-KBI-2020	AB2020A	O	No	2000	20Vp-p	90 nF	300 Ohms	20.0 ± 0.1	15.0 ± 0.3	.53	.48	.42
665-AB2745B	AB2745B	O	No	4500	20Vp-p	16 nF	500 Ohms	27.0 ± 0.1	20.0 ± 0.4	.68	.62	.54
665-AB2745BF	AB2745BF	P	Yes	4500	20Vp-p	16 nF	500 Ohms	27.0 ± 0.1	20.0 ± 0.4	.75	.68	.60
665-KBI-2036F	AB2036AF	P	Yes	3700	30Vp-p	20 nF	500 Ohms	20.0 ± 0.1	15.0 ± 0.3	.86	.78	.68
665-KBI-1541	AB1541	O	No	4100	15Vp-p	8 nF	2000 Ohms	15.0 ± 0.1	8.9 ± 0.1	.97	.83	.72
665-KBI-2734	AB2734B	O	No	3400	30Vp-p	13 nF	1000 Ohms	27.0 ± 0.1	14.6 ± 0.5	.97	.83	.72
665-AB2737BF	AB2737BF	P	Yes	3700	20Vp-p	20 nF	400 Ohms	27.0 ± 0.1	20.0 ± 0.4	1.01	.92	.81
665-KBI-2727	AB2728B	O	No	2800	30Vp-p	30 nF	300 Ohms	27.0 ± 0.1	20.0 ± 0.5	1.08	.98	.86
665-AB2720B	AB2720B	O	No	2000	30Vp-p	45 nF	300 Ohms	27.0 ± 0.1	20.0 ± 0.5	1.21	1.10	.96
665-KBI-3526	AB3526B	O	No	2600	30Vp-p	30 nF	300 Ohms	35.0 ± 0.1	25.0 ± 0.5	1.21	1.10	.96
665-KBI-3529F	AB3529BF	P	Yes	2900	30Vp-p	25 nF	500 Ohms	35.0 ± 0.1	25.0 ± 0.5	1.25	1.14	1.00
665-AB2720BF	AB2720BF	P	Yes	2000	30Vp-p	35 nF	500 Ohms	27.0 ± 0.1	20.0 ± 0.3	1.54	1.40	1.23
665-KBI-4406	AB4406B	O	No	600	20Vp-p	70 nF	1000 Ohms	44.0 ± 0.1	25.0 ± 0.4	1.69	1.54	1.35
665-AB2040B	AB2040B	O	No	4000	30Vp-p	25 nF	500 Ohms	20.0 ± 0.1	15.0 ± 0.3	.18	.17	.14
665-AB2038BF	AB2038BF	P	Yes	3800	30Vp-p	17 nF	350 Ohms	20.0 ± 0.1	15.0 ± 0.5	.72	.56	.48

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