



MALLORY SONALERT PRODUCTS, INC.

Miniature Speaker Series



Features:

- Mylar Cone (Water and Fluid Resistant)
- Plastic and Metal Frames Available
- Compact Size; Wide Frequency Response

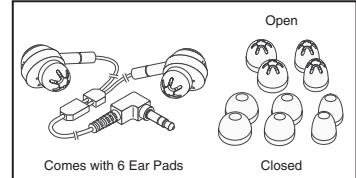


Dimensions (mm)		Impedance (Ω)	Frequency Range (kHz)	Input Power (W)		SPL (dB)	Digi-Key Part No.	Price Each				Mallory Part No.
D	H			Nom.	Max.			1	10	100	500	
11	4.5	8	1.6 - 9.0	0.25	0.30	75	458-1119-ND	1.13	1.10	1.03	.98	PSR-11N08S-JQ
13	5.0	8	1.8 - 7.0	0.25	0.30	75	458-1120-ND	1.25	1.21	1.14	1.08	PSR-13N08A-JQ
18	3.0	8	1.8 - 4.0	0.25	0.30	84	458-1121-ND	1.29	1.25	1.17	1.11	PSR-18N08A-JQ
20	5.0	8	1.3 - 6.0	0.25	0.30	80	458-1122-ND	.40	.39	.36	.35	PSR-20F08S-JQ
20	3.0	8	0.9 - 5.0	0.25	0.30	80	458-1123-ND	1.29	1.25	1.17	1.11	PSR-20N08A-JQ
23	5.0	8	0.9 - 6.5	0.25	0.30	81	458-1124-ND	.36	.35	.33	.31	PSR-23F08S-JQ
23	3.7	8	1.0 - 5.0	0.25	0.30	83	458-1125-ND	1.35	1.31	1.23	1.16	PSR-23N08S-JQ
27	5.0	8	0.75 - 7.0	0.25	0.50	84	458-1126-ND	1.05	1.02	.96	.91	PSR-27N08S01-JQ
28	4.3	8	0.7 - 8.0	0.25	0.50	89	458-1127-ND	1.00	.97	.91	.86	PSR-28N08A-JQ
29	9.0	8	0.8 - 4.5	0.25	0.50	84	458-1128-ND	.46	.45	.42	.40	PSR-29F08S02-JQ
36	4.8	8	0.55 - 7.0	0.25	0.50	89	458-1129-ND	1.26	1.22	1.15	1.09	PSR-36N08A-JQ
40	7.5	8	0.8 - 5.0	0.25	0.50	86	458-1130-ND	.59	.58	.54	.51	PSR-40F08S02-JQ
40	5.0	8	0.5 - 5.0	0.25	0.50	89	458-1131-ND	1.12	1.08	1.02	.97	PSR-40N08A05-JQ
40	4.8	8	0.5 - 6.0	0.25	0.50	87	458-1132-ND	1.12	1.08	1.02	.97	PSR-40N08A-JQ
45	4.8	8	0.4 - 6.0	0.25	0.30	88	458-1133-ND	1.16	1.12	1.05	1.00	PSR-45N08A-JQ
50	10.5	8	0.5 - 5.0	0.25	0.50	91	458-1134-ND	.69	.66	.62	.59	PSR-50F08S-JQ
57	12.5	8	0.35 - 5.0	0.25	0.50	90	458-1135-ND	.73	.71	.66	.63	PSR-57F08S02-JQ
57	7.0	8	0.6 - 4.0	0.25	1.0	92	458-1136-ND	1.29	1.25	1.17	1.11	PSR-57N08A01-JQ

molex® Evaldi™ Earphones



They aim to provide "3-Dimensional" sound that is equivalent to listening to a set of high-end home stereo speakers. The secret is in our patented airstream-control technologies that enable the transmission of both sharper high tones and lower bass sounds without interference. This line also provides superior comfort and ways to customize your sound experience. An inclined stem with elliptical shape is employed to better fit ear canals, while a choice of ear pads provides users different levels of bass and noise isolation. Includes Y-type cable.

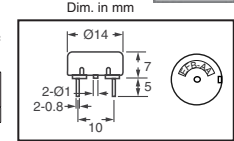


Frequency Response	Impedance (Ω)	Power (W)	Termination	Digi-Key Part No.	Pricing			
					1	10	50	Molex Part No.
20Hz - 20kHz	16	0.05	3.5mm Diameter Plug	WM2582-ND	16.51	148.62	617.51	5037000100

Panasonic® Piezoelectric Ceramic Buzzer Units



Applications: • Smoke Detectors • Alarms • Detectors • Home Appliances • Radio Beepers • Electronic Games • Keyboard Signalers • Cameras • Telephone Ringers
Features: • Low power consumption • Long life and no noise due to non-contact • Thin thickness buzzer element • External drive type • Covering wide frequency range • No magnetic field is generated • High sound pressure level



Sound Pressure Level	Capacitance @1kHz	Input Voltage	Digi-Key Part No.	Pricing						Panasonic Part No.
				1	25	100	250	500	1,000	
74dB min. @ (15Vp-p, 4kHz Sq. Wave)	8,500pF	25Vp-p	P9900-ND	4.44	89.28	325.38	734.07	1317.36	2222.04	EFB-AA14D001

NOTE: Buzzers are non-washable.

Ultrasonic Ceramic Sensor/Transducer

Ultrasonic Ceramic Sensor consisting of a disc/bimorph type piezoelectric ceramic vibrator that is used as a sensor for transmitting and receiving ultrasonics in the air. Since the ultrasonic sensor has a resonance type vibrator, it is high in sensitivity and has outstanding sound pressure level. It has wide applications for burglar alarm systems, automatic door openers, flow rate detectors, and remote-control systems in TV, home appliance and toys, etc. **Specification:** • Temperature Range: -20°C - 60°C **NOTE:** Sensors are not washable.

Type	Class	Center Frequency (kHz)	Minimum Bandwidth (kHz)	Sound Pressure Level (dB)	Maximum Input Voltage (Vrms)	Dimensions (mm)				Digi-Key Part No.	Pricing				Panasonic Part No.	
						Physical Size		Leads			1	25	100	250		500
Q	Transmitter	40.0	1.0	105	20	Diameter	Height	Length	Space	P9893-ND	14.73	313.07	1160.19	2670.29	5064.33	EFR-TQB40KS

Miniature Audio Transducer for General Application

For use in: • Burglar Alarms • Paging Systems • Smoke Detectors • Gas Detectors • Light and Radiation Detectors • Data Entry Terminals • Cash Registers • Alarm Clocks • Fish Finders • Metal Detectors • Medical Equipment • Test Instruments • Telephones • Movie Cameras • Automotive Warning Systems • Production Machinery • Various Electronic Equipment

Rated Input (mW)	D.C. Resistance (Ω)	Impedance (Ω)	S. P. L. (dB/1 W/1 m)	Frequency (kHz)	Physical Size (mm)	Terminal	Digi-Key Part No.	Pricing				Panasonic Part No.
50	12	35	86	3.8 - 4.3	12.0 x 8.5	Straight Pin	P9965-ND	2.96	59.39	216.43	488.28	EAF-12RF04C

TDK Audio Transducers

Dim. in mm

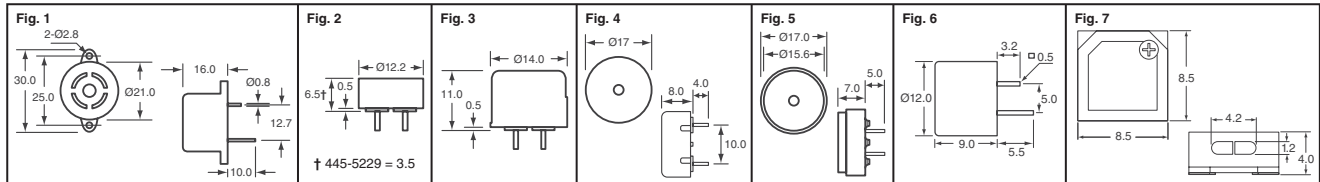
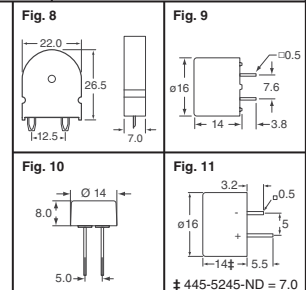


Fig.	Resonant Frequency (kHz)	Operating Voltage Range	Rated Voltage	Sound Pressure Level (dB)	Operating Temperature Range	Digi-Key Part No.	Cut Tape Price Each			Digi-Key Part No.	Tape and Box		TDK Part No.
							1	10	100		Qty.	Pricing	
1	3.3	4 - 15VDC	12VDC	75	-20°C - 60°C	445-2529-ND	3.29	2.99	2.40	—	500	88.39	FB2130UP002A
2	4.0	3 - 30Vp-p	3Vp-p	70	-20°C - 70°C	445-2525-1-ND	.32	.30	.24	445-2525-3-ND	—	—	PS1240P02BT
2	4.0	3 - 30Vp-p	3Vp-p	60	-20°C - 70°C	445-5229-1-ND	.36	.33	.26	445-5229-3-ND	2,500	194.96/M	PS1240P02CT3
3	2.0	5 - 30Vp-p	5Vp-p	70	-20°C - 70°C	445-2526-1-ND	.48	.44	.36	445-2526-3-ND	350	92.23	PS1420P02CT
4	2.0	3 - 30Vp-p	3Vp-p	70	-20°C - 70°C	445-2527-ND	.42	.39	.31	—	—	—	PS1720P02
5	4.0	3 - 20Vp-p	3Vp-p	75	-20°C - 70°C	445-2528-ND	.40	.36	.29	—	—	—	PS1740P02E
6	2.048	1 - 4Vp-p	3Vp-p	80	-40°C - 85°C	445-2530-ND	1.07	.98	.78	—	—	—	SD1209T3-A1
7	2.67	0 - 5Vp-p	3Vp-p	97	-40°C - 85°C	445-4832-1-ND	3.41	3.10	2.48	445-4832-2-ND	1,000	1858.73	SDR08540M3-01
8	2.0	0 - 20Vp-p	3Vp-p	75	-40°C - 125°C	445-5239-ND	.46	.43	.34	—	—	—	PS2220P02
9	2.048	6 - 15Vp-p	12Vp-p	85	-40°C - 85°C	445-5228-ND	1.29	1.18	.94	—	—	—	SD1614TT-B3M
10	4.0	3 - 30Vp-p	3Vp-p	75	-20°C - 70°C	445-5242-1-ND	.42	.39	.31	445-5242-3-ND	350	81.25	PS1440P02BT
11	4.096	3 - 9Vp-p	5Vp-p	80	-10°C - 70°C	445-5245-ND	1.49	1.36	1.09	—	—	—	SD160709
12	2.048	3 - 6Vp-p	5Vp-p	85	-10°C - 70°C	445-5243-ND	1.17	1.07	.86	—	—	—	SD1614T5-B1
11	2.048	6 - 15Vp-p	12Vp-p	85	-10°C - 70°C	445-5244-ND	1.17	1.07	.86	—	—	—	SD1614TT-B1

⊙ Tape and Reel



Digi-Reel® Most SMT cutdown parts are available on a Digi-Reel®. For Digi-Reel part number, change 1-ND to 6-ND or CT-ND to DKR-ND. See Digi-Key® Services on page 2 for additional information.

2378 (EU2011-EN) **Free shipping on orders over €65! All prices in euro and include duties.**