

Round Ferrite Speakers

* Web Code: TAT

Part No.	Manufacturer	Product No.	Dimensions (Dia. " x D")	Input (W)		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom.	Max.					1	10	100
320135	Various	C35128A†	2.0 x 0.7	0.2	0.4	8	83	420 - 5000	1.3 x 0.4	\$1.49	\$1.25	\$1.09
135589	Various	FE200	2.0 x 0.7	0.2	0.4	8	83	420 - 5000	1.3 x 0.4	1.95	1.69	1.49
320362	Various	TR-057F-R	2.0 x 0.7	0.25	0.5	8	86	900 - 9000	1.3 x 2.5	1.95	1.69	1.49
10840	Various	FE201	2.2 x 0.7	0.2	0.4	8	88	400 - 4500	1.3 x 0.4	1.95	1.69	1.49
2081254	Star	FR-05202-01	2.0 x 1.15	3.0	5.0	8	85	100 - 5000	1.6 x 0.5	2.49	2.25	1.95
1954800	Regal	R-F163†	3.0 x 1.3	1.5	3.0	16	89	200 - 3000	1.8 x 0.4	2.49	2.25	1.95
2099585	Various	RF-608E	2.2 x 0.7	1.0	2.0	48	86	300 - 3000	1.3 x 0.4	2.49	1.95	1.59
2081844	Various	20-220-NSR†	2.0 x 0.7	0.1	0.2	50	86	300 - 3000	1.3 x 0.4	2.49	2.25	1.95

† With lead wires

- Pre-tinned speaker lugs
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm
- Large magnet

For speaker wire, see page 61



320135 Side

320135 Back

Square Ferrite Speakers

* Web Code: EDT

Part No.	Manufacturer	Product No.	Dimensions (Dia. " x D")	Input (W)		Impedance (Ω)	Output SPL (dB)	Frequency Range (Hz)	Magnet Size (Dia. " x H")	Pricing		
				Nom.	Max.					1	10	100
99996	Various	FEB204	2.6 x 0.9	3.0	4.0	4	95	300 - 14000	1.8 x 0.5	\$2.69	\$2.39	\$2.05
135694	Various	FEB200	2.0 x 0.7	0.2	0.3	8	82	500 - 6000	1.3 x 0.5	1.95	1.69	1.49
2099833	Various	964000-002	2.6 x 0.8	0.2	0.3	8	97	500 - 6000	1.3 x 0.4	2.69	2.39	1.95
1954818	Various	TQ-100F-R	4.0 x 1.4	6.0	8.0	8	97	800 - 10000	1.8 x 0.5	2.95	2.59	2.39
31959	Various	FEB216	2.6 x 0.8	0.2	0.4	16	85	330 - 8000	1.3 x 0.5	2.69	2.39	2.15
2099577	Various	SP83W	3.0 x 1.5	2.0	3.0	8	90	300 - 10000	1.8 x 0.6	2.95	2.59	1.95

- Pre-tinned speaker lugs
- Anodized metal surfaces
- Braided copper voice coil leads
- Paper diaphragm
- Large magnet



99996 Side

99996 Back

Omni-Directional Electret Condenser Microphone Cartridges

Applications: Tape recorders, intercoms, hearing aids, telephone and answering devices, sonic controlled toys and sensors

* Web Code: OBW

Part No.	Manufacturer	Product No.	Sensitivity	Frequency (Hz)	Max. Op. Volt.	Stand Op. Volt.	Max. Current	Sensitivity Reduction	S/N Ratio	Impedance	Terminals	Size (H x Dia.)	Pricing			
													1	10	100	1000
1950948	SPK Electronic	EM-4F-31	-60 ±3dB	50-16,000	10VDC	3.0VDC	0.5mA	-3dB @ 3V	>58dB	>2.2kΩ	PC pin leads	.27" x .39"	\$.89	\$.79	\$.69	\$.59
136574	ValuePro	WM-60PC	-54 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.30" x .38"	.95	.89	.75	.59
320179	Various	EM-99	-64 ±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 3V	>40dB	>2.2kΩ	PC pin leads	.27" x .39"	.85	.75	.69	.65
2099622	ValuePro	C2034A	-46±2dB	20-12,000	12VDC	4.5VDC	0.5mA	-3dB @ 1.5V	60dB	2.2kΩ	PC pin leads	.27" x .37"	.85	.75	.69	.59



1950948

136574/320179

320179

Hardware

Spacers & Electronic Hardware Kit

Includes 2700 pcs. (27 types) Spacers, Nuts, Flat, Tooth & Lock Washers and Slotted Pan Head Screws **SAVE \$59**



100 each Spacers	100 each Hex nuts	100 each Flat	100 each Int. tooth	100 each Split lock	100 each PH machine screws
—	2-56	#2	#2	#2	2-56 x 1/4, 1/2
4-40	4-40	#4	#4	#4	4-40 x 1/4, 1/2
6-32	6-32	#6	#6	#6	6-32 x 1/4, 1/2
8-32	8-32	#8	#8	#8	8-32 x 1/4, 1/2

Part No.	Description	Wt. (lbs.)	1	5
108433	2700 pcs. hardware kit	7.5	\$99.95	\$89.95

Thumbscrews

* Web Code: VBZ

Fig. 1 393976



Fig. 2 394071



Aluminum Blue P/N = Limited Quantity

Part No.	Mfr. Part No.	Fig.	Thread	Thread Length	Length	1	10	100
393976	7100-A	1	4-40	5/16"	5/8"	\$.95	\$.75	\$.65
393992	7105-AL	1	6-32	1/2"	13/16"	.75	.69	.59
394004	7106-A	1	8-32	3/8"	11/16"	.75	.69	.59
394011	7107-A	1	10-32	1/2"	13/16"	.75	.69	.59
394063	7125-A	2	6-32	3/8"	9/16"	.95	.75	.65
394071	7128-A	2	8-32	3/8"	9/16"	.75	.69	.59



Aluminum & Brass Round Spacers

* Web Code: TBQ

• Finish: 1 = Aluminum iridite clear 2 = Brass zinc clear chromate • ID (Internal Diameter): #4 = .115"; #6 = .140" * Order in multiples of 10



3/16" Outer Diameter

Part No.	Mfr. Part No.	Length	ID	1	10	100
392956	1107-4-B-12 ²	1/8"	#4	\$.29	\$.25	\$.19
392964	1108-4-B-12 ²	3/16"	#4	.29	.25	.19
392972	1109-4-B-12 ²	1/4"	#4	.29	.25	.19
392981	1110-4-B-12 ²	5/16"	#4	.29	.25	.19
392893	1111-4-AL-7 ¹	3/8"	#4	* .19	.15	
392999	1111-4-B-12 ²	3/8"	#4	.29	.25	.19
393001	1112-4-B-12 ²	7/16"	#4	.35	.29	.25
393019	1113-4-B-12 ²	1/2"	#4	.35	.29	.25
393027	1115-4-B-12 ²	5/8"	#4	.39	.35	.29
392930	1116-4-A-7 ¹	11/16"	#4	.29	.25	.19
393035	1116-4-B-12 ²	11/16"	#4	.29	.25	.19
393043	1117-4-B-12 ²	3/4"	#4	.39	.35	.29

1/4" Outer Diameter

Part No.	Mfr. Part No.	Length	ID	1	10	100
393158	1122-4-B-12 ²	1/8"	#4	* \$.19	\$.15	

1/4" Outer Diameter (Continued)

Part No.	Mfr. Part No.	Length	ID	1	10	100
393061	1123-4-AL-7 ¹	3/16"	#4	* \$.19	\$.15	
393166	1123-4-B-12 ²	3/16"	#4	* .19	.15	
393369	1123-6-B-12 ²	3/16"	#6	* .19	.15	
393272	1124-6-AL-7 ¹	1/4"	#6	.25	.22	.15
393377	1124-6-B-12 ²	1/4"	#6	* .19	.15	
393086	1125-4-A-7 ¹	5/16"	#4	* .19	.15	
393182	1125-4-B-12 ²	5/16"	#4	* .19	.15	
393290	1125-6-AL-7 ¹	5/16"	#6	* .19	.15	
393385	1125-6-B-12 ²	5/16"	#6	* .19	.15	
393095	1126-4-A-7 ¹	3/8"	#4	* .19	.15	
393191	1126-4-B-12 ²	3/8"	#4	* .19	.15	
393297	1126-6-A-7 ¹	3/8"	#6	* .19	.15	
393393	1126-6-B-12 ²	3/8"	#6	* .19	.15	
393203	1127-4-B-12 ²	7/16"	#4	* .19	.15	
393300	1127-6-A-7 ¹	7/16"	#6	* .19	.15	

1/4" Outer Diameter (Continued)

Part No.	Mfr. Part No.	Length	ID	1	10	100
393406	1127-6-B-12 ²	7/16"	#6	* \$.19	\$.15	
393115	1128-4-A-7 ¹	1/2"	#4	* .19	.15	
393211	1128-4-B-12 ²	1/2"	#4	* .19	.15	
393319	1128-6-A-7 ¹	1/2"	#6	* .19	.15	
393414	1128-6-B-12 ²	1/2"	#6	* .19	.15	
393123	1133-4-A-7 ¹	13/16"	#4	* .19	.15	
393220	1133-4-B-12 ²	13/16"	#4	.29	.25	.19
393326	1133-6-A-7 ¹	13/16"	#6	* .19	.15	
393422	1133-6-B-12 ²	13/16"	#6	.29	.25	.19
393131	1134-4-A-7 ¹	7/8"	#4	* .19	.15	
393238	1134-4-B-12 ²	7/8"	#4	.35	.29	.25
393335	1134-6-A-7 ¹	7/8"	#6	* .19	.15	
393431	1134-6-B-12 ²	7/8"	#6	.39	.35	.29
393140	1136-4-A-7 ¹	1.0"	#4	* .19	.15	
393246	1136-4-B-12 ²	1.0"	#4	.39	.35	.29
393449	1136-6-B-12 ²	1.0"	#6	.45	.39	.35

* For Complete Specs & Additional Product Listings Search www.Jameco.com/More and Enter Web Code Listed Above