## BUZZERS, BEEPERS, AUDIO ALARMS

### SIRENS

**EXTRA-LOUD MINI PIEZO SIREN**
Small, painfully-loud two-tone piezo siren for auto or home security devices. Operates 6-12 Vdc, 110 ma. 108dB output (30cm). 1.81" x 1.55" x 0.88" high black plastic body. Two mounting holes on diagonal 1.80" centers. 3" wire leads. **CAT# PE-10** $5.85 ea. • 10 for $5.65 ea.

**12 VDC ALARM SIREN**
Extremely loud 12 VDC car alarm siren. Distinctive siren pattern cycles through 6 different sounds every 30 seconds. Overall dimensions: 3.20" x 2.85 x 3.75" high including mounting bracket. Two 66" wire leads. 2.55" mounting centers on adjustable metal base. **CAT# ES-10** $4.00 ea. • 10 for $3.00 ea.

### PIEZO AUDIO ALERTS

**2-TONE 12VDC SIREN, WAVE**
Honeywell / Ademco WAVE2 Loud (106db) dual tone siren for home or commercial alarm installations. Warble or steady tone. 4.32" x 3.28" x 2" white ABS case fits single gang electrical box or wall plate. Terminal strip eliminates splicing and soldering. Corner or ceiling mount. 12 Vdc 500Ma. UL. **CAT# ES-16** $4.25 each

**3-28 VDC PIEZO BEEPER**
Continuous tone. 103 db sound pressure. 1.14" dia. x 0.93" ABS plastic housing. Can be bulkhead mounted with tabs on 1.31" mounting centers, or can be mounted through a panel hole of 0.77" diameter via threaded bushing and panel nut. 5" wire leads. Black housing. **CAT# SBZ-100** $5.95 each • 10 for $5.75 each

**3-18 VDC PIEZO BUZZER**
FY14-G. Emits a medium-loud, high-pitched tone when energized. 80 dB. 12Vdc, 7mA, 4Khz. 13.8mm dia. x 7.5mm high. PC pins. **CAT# SBZ-204** $1.45 each • 10 for $1.35 each • 100 for $1.15 each

### ELECTRO-MAGNETIC BEEPERS

**1.5 - 3 VDC BEEPER**
Tiny 9mm diameter, pc mount beeper. 5mm high. PC leads on 5mm center. **CAT# PE-71** 90¢ each • 10 for 80¢ each • 100 for 70¢ each

**8-15 VDC BEEPER, PC MOUNT**
MG Electronics # SBT-1212S 8-15Vdc mini beeper. Emits high-pitched continuous tone when energized. Max current 30mA @ 12Vdc. 85db/10 cm. 2300 ± 300Hz. 12mm diameter x 9.5mm. 6mm high PC pins with 7mm spacing. **CAT# SBZ-420** 85¢ each • 100 for 50¢ each

**4-7 VDC BEEPER**
Chinasound # CEB12A-05BP 5Vdc, 30mA. 2.3KHz. 85db electro-magnetic buzzer. 12mm dia. x 10mm high. Wire/PC leads, bent 90°. 4 - 7 Vdc operating range. **CAT# SBZ-493** 85¢ each • 10 for 70¢ each • 100 for 65¢ each

**12MM DIAMETER**
1" leads. **CAT# PE-60** $1.00 each • 10 for 90¢ each

**14MM PIEZO WAFER**
Part# 64PE140660. 14mm diameter. Frequency: 6600 ± 500. No leads. **CAT# PE-62** 2 for $1.00 • 10 for 45¢ ea.

**35MM PIEZO ELEMENT**
2" pigtail leads. Note: the wire is quite small gauge AWG 26-28, and has a tendency to break at the solder joint. It is fairly easy to solder a new, larger piece of wire to the spot. **CAT# PE-63** 3 for 99¢ • 100 for 20¢ each • 1000 for 15¢ each

**ENCASED PIEZO ELEMENTS**
Plastic encased piezo elements are more resonant and louder than non encased piezo elements. They require external signal to produce sound. **16.5MM DIA. X 4MM**
East Electronics# TFM-23. 80dB 4KHz. 4" pigtail leads. **CAT# PE-59** 75¢ each

**22MM DIA. X 8MM PLASTIC CASE**
Murata # PKM22EPP-40. PC pins on 10mm centers. 4KHz. **CAT# PE-57** 3 for $1.00 • 100 for 25¢ each • 1000 for 20¢ each
0.89” DIAMETER X 0.13”
Matsushita #WM-71A111M
1” wire leads. **CAT# PE-54**
75¢ each • 100 for 50¢ each

0.86” DIA. X 0.1”
Plastic housing with a ring of self-adhesive neoprene padding on the front face. 1.25” long leads.
**CAT# PE-49** 50¢ each • 10 for 35¢ each

**MINI TONE TRANSDUCERS**

*Used in paging, warning signals, metal detectors and alarm clocks. Miniature magnetic transducers require external signal source to produce sound.*

RDI # DMT-1206. 48 Ohm audio tone transducer. 0.47” dia. x 0.34” high.
PC pins on 0.25” centers.
**CAT# PE-52** 3 for 99¢
100 for $15.00 • 1000 for $125.00

DBX-01PN.
0.47” dia. x 0.36” high. 16Ω impedance.
Requires external signal to produce a tone. PC pins on 0.25” spacers. 80 dB @ 10 cm. 2040 Hz. Operating voltage: 1.5V.
Current rating: 30 mA.
**CAT# PE-61** 3 for 99¢
100 for 25¢ each • 1000 for 20¢ each

Intervox #BRT1209L-03. 16 Ohm.
12mm diameter x 8.5mm high.
3.6Vdc (1.5 – 5Vdc), 70mA max current.
90 db @ 10 cm. 2048Hz. Two 3.5” leads.
**CAT# PE-58** 3 for 99¢
100 for 25¢ each • 1000 for 20¢ each

AVX/Kyocera # PCRT21BGX
Black plastic front, vented metal back. Solder loop terminals.
0.82” diameter x 0.15”
**CAT# PE-38** 3 for 99¢
100 for $15.00 • 1000 for $125.00

**CRYSTALS**

HC49/U (HC18/U) case.
0.52” x 0.43” x 0.18”. 0.2” lead spacing.
3.579545 MHz **CAT# CRY-318**
3.6864 MHz **CAT# CRY-3686**
6.144 MHz **CAT# CRY-6144**
12.9 MHz **CAT# CRY-129**
14.7456 MHz **CAT# CRY-1474**
16 MHz **CAT# CRY-16**
20 MHz **CAT# CRY-20**
24.576 MHz **CAT# CRY-245**
40.320 MHz **CAT# CRY-4032**

All of one value 5 for $1.00 • 100 for $15.00

50.000 MHz CRYSTAL OSCILLATOR
KDS# DOC-702A, KDS-3F
50.000 MHz. 0.8” x 0.5” x 0.21” h.
Four pc leads on 0.3” x 0.6” centers.
**CAT# CRX-503** 50¢ each

**RUBBER BUMPERS / FEET**

**CLEAR BUMPERS / FEET**
Self-adhesive polyurethane bumpers apply quickly and easily wherever protection is needed against scratches, slippage or noise.
0.8” diameter x 0.4” high clear feet
with 0.35” dia. recessed center.
Sold in sheets of 24 pcs.
**CAT# RF-32**
1 sheet (24 pcs) for $4.50 per sheet
12 sheets (288 pcs) for $3.80 per sheet

Solid cylindrical clear bumper. 0.4” dia. x 0.25” high. Sold in sheets of 50 pcs.
**CAT# RF-33**
1 sheet (50 pcs)
$3.50 per sheet
10 sheets (500 pcs) $2.65 per sheet

1.46” DIA. RUBBER FEET
Hard rubber equipment foot. Countersunk, metal reinforced hole for #8 screw. Black.
1.46” diameter x 0.59” high
**CAT# RF-615** 4 for $1.80 • 100 for $30.00
1.46” diameter x 0.41” high
**CAT# RF-605** 4 for $1.70 • 100 for $28.00

**NYLON SPACERS, NON-THREADED**

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<th>Length</th>
<th>Dia.</th>
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**HOOK & LOOP SPECIAL!**

Hook and loop strips with strong adhesive backing. For indoor/ outdoor use. Water resistant.
Includes both hook and loop.

3” x 1” - Package of 10
**CAT# HL-310**
65¢ per pack
10 packs for 60¢ each
100 packs for 50¢ each
500 packs for 35¢ each
1000 packs for 25¢ each

4” x 1” - Package of 12
**CAT# HL-412**
85¢ per pack
10 packs for 75¢ each
100 packs for 65¢ each
500 packs for 45¢ each
1000 packs for 30¢ each

**CLEARANCE**