

	Order Code	Price Each	
		1+	5+
Wall Mount			
3DLSW	354-2476		
3DLMW	354-2488		
3DLLW	354-2490		
Ceiling Mount			
3DLSC	354-2506		
3DLMC	354-2518		
3DLLC	354-2520		

Transducers and Buzzers

Transducers contain the basic sound generating element within a resonant housing. In order to produce the specified sound pressure level a transducer must be driven with a 50.50 duty cycle square waveform of the correct amplitude and frequency. Piezo-ceramic transducers are voltage driven devices operating up to a maximum specified peak to peak voltage – the higher the applied p-p voltage the greater the sound pressure level.

Electromagnetic transducers are current driven devices operating within a lower p-p voltage range – ensure that sufficient drive current is available to allow continuous operation.

Transducers give the opportunity to be driven at various frequencies but care must be taken to pick frequencies where secondary resonance gives sufficient sound pressure level.

Alarms and Buzzers contain internal drive circuitry to produce a specific drive waveform and are driven from a dc voltage. This is a simple method of producing sound without the need for external drive circuits. Since the drive circuit is internal the operating frequency is fixed and is not dependant on input voltage. However with piezo-ceramic alarms the sound pressure is still dependant on input voltage – the higher the dc voltage the greater the sound pressure.

Electromagnetic Transducers – Surface Mount.



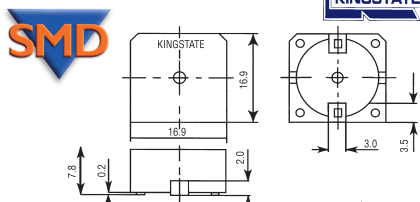
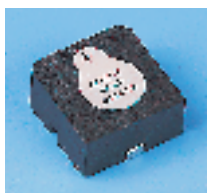
- Surface mount electromagnetic transducers
- Reflow solder – non washable



Order Code	927-466	927-478	927-480
	Mfrs. List No	MUT-01A	MUT-03A
Rated voltage (50% duty cycle)	1.5 @ 3200Hz	3 @ 3200Hz	3.6 @ 2670Hz
Current consumption (mA Typ)	50	56	85
Coil resistance (Ω)	9	18	16
Sound output @ 10cm (dB Min)	92	95	93
Sound Exit	Side	Side	Top
Operating Temperature (°C)	-20 +70	-20 +70	-30 +70
Weight (g)	1	1	1

Order Code	Price Each					
	1+	10+	25+	50+	100+	250+
927-466						
927-478						
927-480						

Transducer and Alarm – Surface Mount



- Surface mount piezo ceramic transducer or alarm
- Removable seal to allow washing after reflow soldering
- Material conforms to **UL94-V0**

Order Code	927-077	927-272
	Mfrs. List No	KMT-1261
Device Type	Transducer	Alarm
Rated voltage	20V p-p max	3-20Vdc
Drive frequency	5KHz	dc
Current consumption (mA Typ)	10	8
Capacitance (pF)	15,000	N/A
Sound output @ 10cm (dB Min)	88	83
Operating Temperature (°C)	-40 +85	-40 +85
Weight (g)	2.6	2.6

Order Code	Price Each					
	1+	10+	25+	50+	100+	250+
927-077						
927-272						

Transducer and Alarm – Sub Miniature



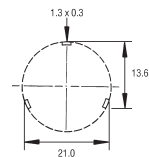
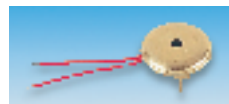
- Sub miniature piezo ceramic transducers and alarms
- M3 and M8 versions are sealed for washing after flow solder

H = 7.5, Dia = 13.8, FC = 7.6x0.7

Order Code	926-875	926-887	926-899	926-905
	Mfrs. List No	M3-CPM121-A0AWP-T	CPM121A0A1	M8-EPM121-A1AWP-T
Device Type	Alarm	Alarm	Transducer	Transducer
Rated voltage	3-15Vdc	3-15Vdc	5V p-p	5V p-p
Drive frequency (Hz)	-	-	4,096	4,096
Current consumption (mA Typ)	10	10	2	2
Capacitance (pF)	-	-	14,000	17,000
Sound output @ 10cm (dB Min)	83	83	75	80
Oscillating frequency (kHz)	4.1	4.1	-	-
Sealed	Yes	No	Yes	No
Weight (g)	1	1	1	1

Order Code	Price Each					
	1+	10+	25+	50+	100+	250+
926-875						
926-887						
926-899						
926-905						

Piezo Audio Transducer Low profile PCB Mounting



H (above PCB) = 4.5, Dia. = 21.5, Lead length = 40

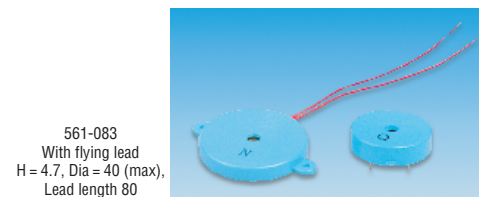
PCB Mounting details

- Ultra low profile piezo-electric warning device, which produces sound pressure waves when driven by ac voltages from a sine or square wave source.
- Housed in a three pin PCB mounting brass case.
- Electrical connection is made via tinned flying leads, one connection made to case.

Sound pressure level @ 1m	85dB (A) min @ 4.7kHz, 15V pk-pk sine wave
Capacitance	12000pF ±30%
Voltage	30V pk-pk max.
Operating temperature	-20°C to +70°C

Order Code	Price Each					
	1+	10+	25+	50+	100+	250+
.106-595						

Piezo Audio Indicator



561-083
With flying lead
H = 4.7, Dia = 40 (max),
Lead length 80

561-071
H = 13, Dia = 22, Pin
spacing = 10,
Pin dia = 0.95 (max)

- These externally driven transducers offer high sound output with a low current drain over a wide frequency range.
- Available in PCB mounting and flying leads.

Order Code	561-071	561-083
	Mfrs. List No	561-071
Rated voltage sq. wave	10Vp-p	10Vp-p
Sound pressure level	77db @ 30cm	75dB @ 30cm
Resonant frequency	4KHz	3Kz
Max input voltage	30Vp-p	25Vp-p
Capacitance @ 1KHz	14nF ± 30%	20nF ± 30%

Order Code	Price Each				
	1+	25+	50+	100+	500+
561-071					
561-083.					

Continued

Linear Dimensions
All linear dimensions appear in (mm) unless otherwise stated.