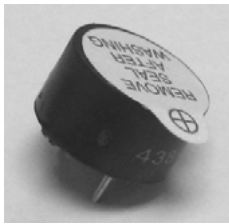
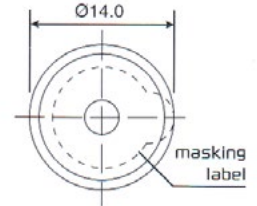
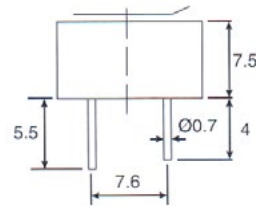


Piezo Buzzers - Internal Drive



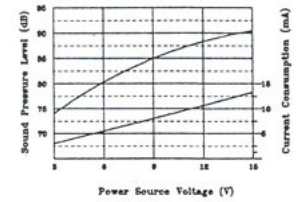
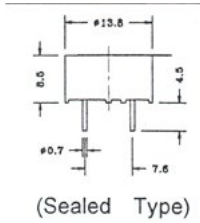
54-32S4120 - PCB Mount - Dia. 14.0mm Waterproof

Sound Pressure: 80db/6vDC/10cm
Oscillating Frequency: 4.0 ± 0.5 KHz
Max Rated Current: 7 mA/12v DC
Operating Voltage: 3v to 16v DC
Pin Spacing: 7.6 mm



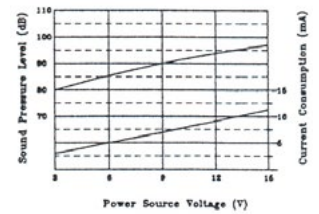
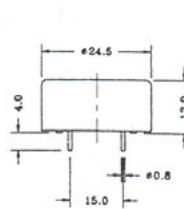
54-15210 - PCB Mount - Dia. 13.8mm Waterproof

Sound Pressure: 85db/9vDC/10cm
Oscillating Freq.: 4.4 ± 0.5 KHz
Current Consumption: 8 mA /9v DC
Operating Voltage: 3v to 15v DC
Pin Spacing: 7.6 mm



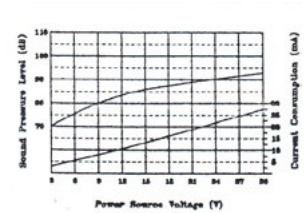
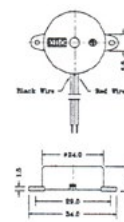
54-20C115 - PCB Mount - Dia. 24mm Waterproof

Sound Pressure: 90db/9vDC/30cm
Oscillating Freq.: 3.4 ± 0.5 KHz
Current Consumption: 7mA/ max/9v DC
Operating Voltage: 3v to 15v DC
Pin Spacing: 15mm



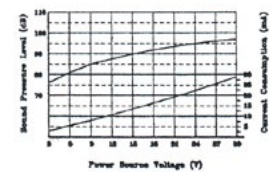
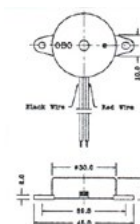
54-20C6 - Lead Wire - Dia. 24mm

Sound Pressure: 80db/9vDC /30cm
Oscillating Freq.: 3.4 ± 0.5 KHz
Current Consumption: 8mA max/9v DC
Operating Voltage: 3v to 30v DC
Lead Length: 135 ± 5 mm



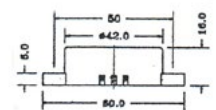
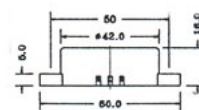
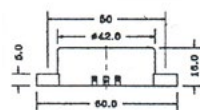
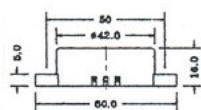
54-27C4 - Lead Wire - Dia. 30mm

Sound Pressure: 85db/9vDC/30cm
Oscillating Freq.: 3.5 ± 0.5 KHz
Current Consumption: 8mA max/9v DC
Operating Voltage: 3v to 30v DC
Lead Length: 75 ± 5 mm



54-35 Series - Lead Wire - Dia. 42mm

Part No:	54-35C1	54-35C2	54-35D1	54-35P2
	Continuous Tone	Continuous Tone	Dual Tone	Pulsating Tone



Lead high res: 120 ± 5 mm

	54-35C1	54-35C2	54-35D1	54-35P2
Sound Pressure:	88db / 9vDC / 30cm	97db / 9vDC / 30cm	97db / 9vDC / 30cm	93db / 6vDC / 30cm
Oscillating Frequency:	2.8 ± 0.5 KHz	2.8 ± 0.5 KHz	About 2.9/3.05 KHz	2.6 ± 0.5 KHz
Current Consumption:	8 mA max/9v DC	12mA max/9v DC	20mA max/9v DC	12mA max/9v DC
Operating Voltage:	3v to 30v DC	3v to 20v DC	5v to 20v DC	5v to 20v DC
Operating Temp. Range:	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C	-20 °C to +60 °C