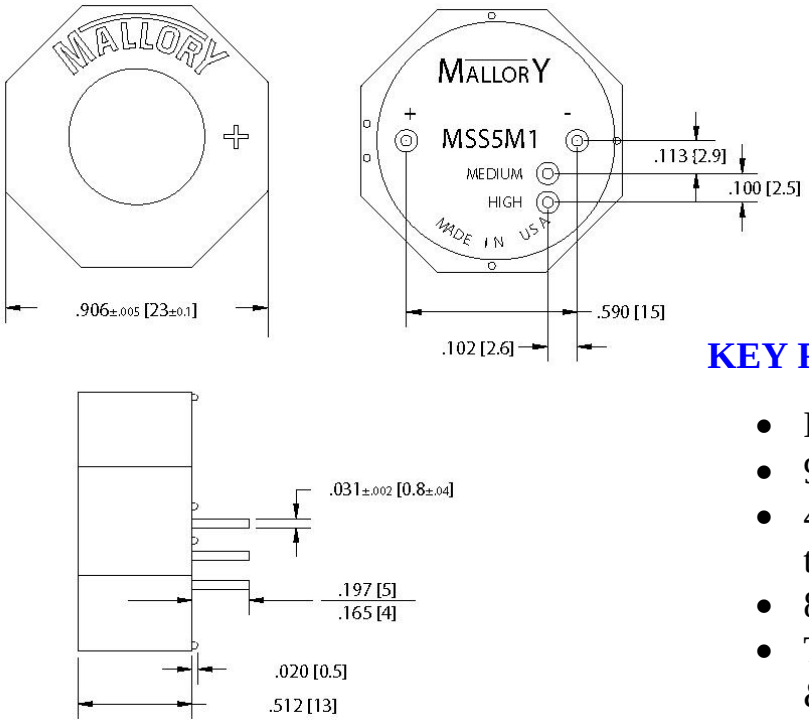
MALLORY SONALERT PRODUCTS, INC.

Product APPLICATION Guide

Part Number: MSS5M1

For IEC60601-1-8 Medical Applications



KEY FEATURES:

- Designed to Meet IEC 60601-1-8
- 975 Hz Fundamental Frequency
- 4 Harmonic Peaks within ±15 dB (1 to 4 kHz)
- 85 dB @ 10 cm Typical
- Three priority sounds (low, medium, & high)

Specifications:

Voltage Range:	5.0 ± 0.5 Vdc
Sound Level:	85 dB @ 10 cm Typical
Frequency:	975 ± 24 Hz
Sound Harmonics:	Minimum of 4 (1 to 4 kHz)
Operating Temp:	-30°C to +70 ºC
Storage Temp:	-30 ºC to +70 °C
Case Material:	Valox (UL94-V0)
Current Level:	< 250 mA during BEEP time < 10 mA during PAUSE time

***Low Priority Signal**:	2 Beeps that Repeat
***Med Priority Signal**:	3 Beeps that Repeat
***High Priority Signal**:	10 Beeps that Repeat

***per IEC 60601-1-8 Tables 203 & 204**

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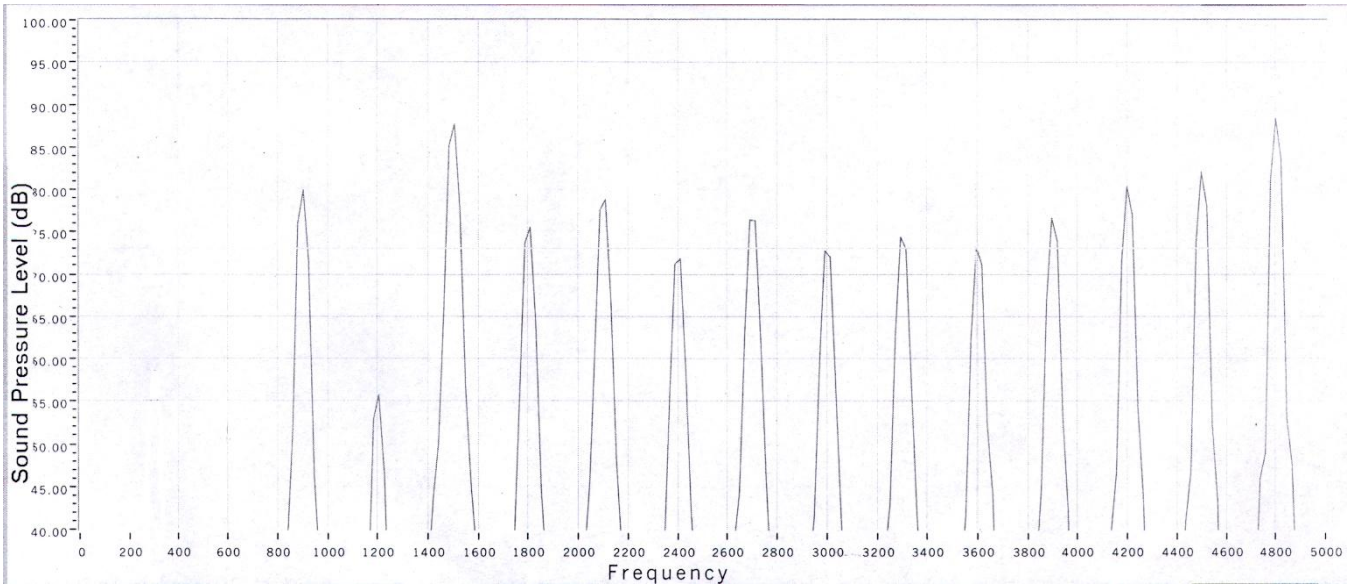
MSS5M1 Alarm (Con't)

Frequency Response:



As shown above, the fundamental frequency is 975 Hz, and there are more than 4 harmonic peaks between 1 and 4 kHz. All harmonic peaks are within ± 15 dB of the fundamental frequency

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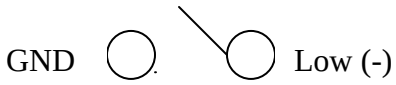
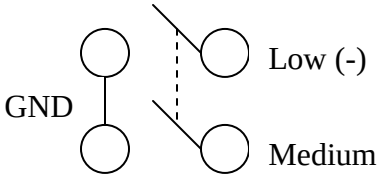
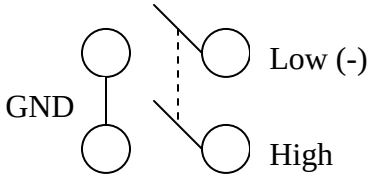
Priority Signal Activation:



Low Priority



Medium Priority



High Priority

Priority Signal Details:

- Low Priority: *Beep*, Pause 200 ms, *Beep*; Repeat every 20 sec's
- Med Priority: *Beep*, Pause 200 ms, *Beep*, Pause 200 ms, *Beep*; Repeat every 7.5 sec's
- High Priority: *Beep*, Pause 100 ms, *Beep*, Pause 100 ms, *Beep*, Pause 370 ms, *Beep*, Pause 100 ms, *Beep*, Pause 500 ms, *Beep*, Pause 100 ms, *Beep*, Pause 100 ms, *Beep*, Pause 370 ms, *Beep*, Pause 100 ms, *Beep*; Repeat every 2.5 sec's

Note: *Beep* "on" time is 170 ms
