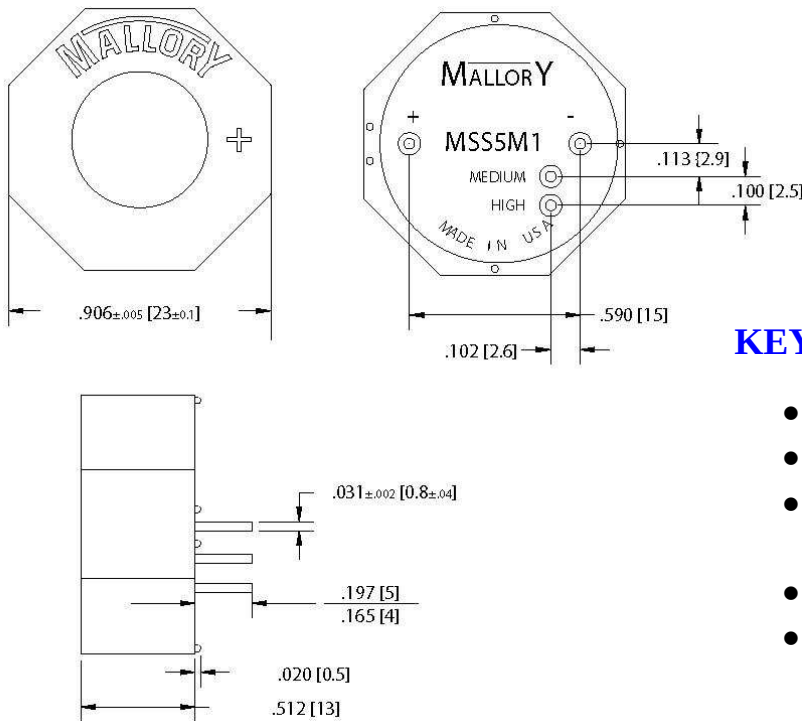


Product APPLICATION Guide

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 $+70^{\circ}\text{C}$
Storage Temp: -30°C to $+70^{\circ}\text{C}$
Case Material: Valox (UL94-V0)
Max Current Level: < 250 mA when ON
 < 10 mA when OFF

Ave Current Level: High Priority: 142 mA
Med Priority: 84 mA
Low Priority: 80 mA

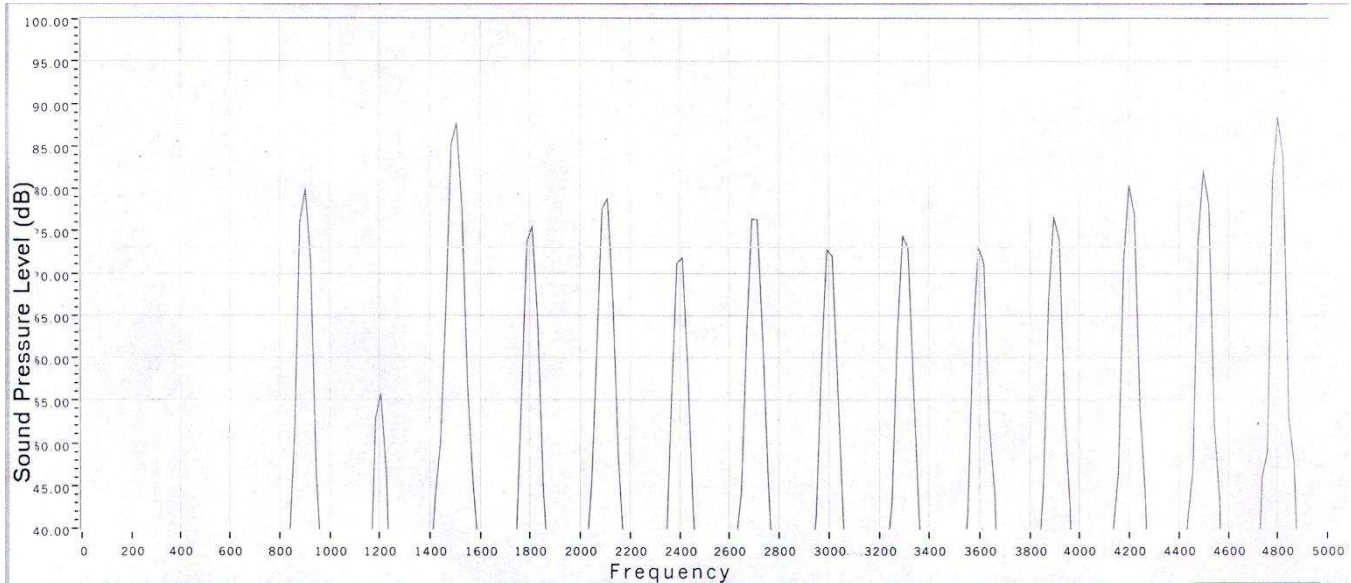
***Low Priority Signal:** 2 Beeps that Repeat
***Med Priority Signal:** 3 Beeps that Repeat
***High Priority Signal:** 10 Beeps that Repeat

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

Continued 

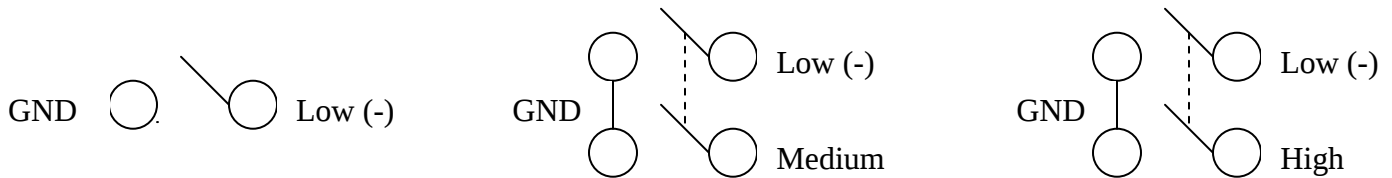
MSS5M1 Alarm (Con't)

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

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

Call 317-612-1000 or Visit www.mallory-sonalert.com for More Details