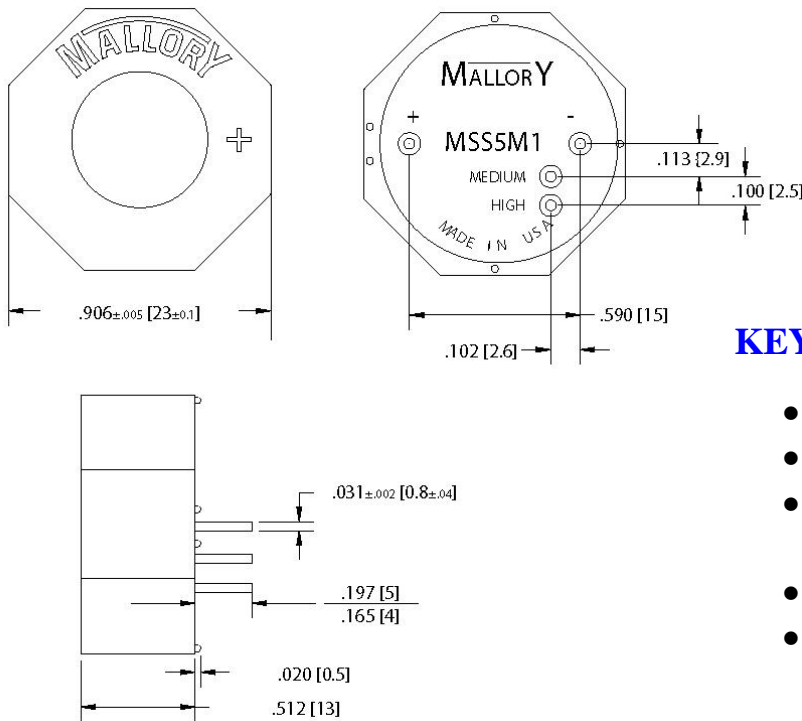




Product APPLICATION Guide

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 °C

Storage Temp: -30 °C to +70 °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

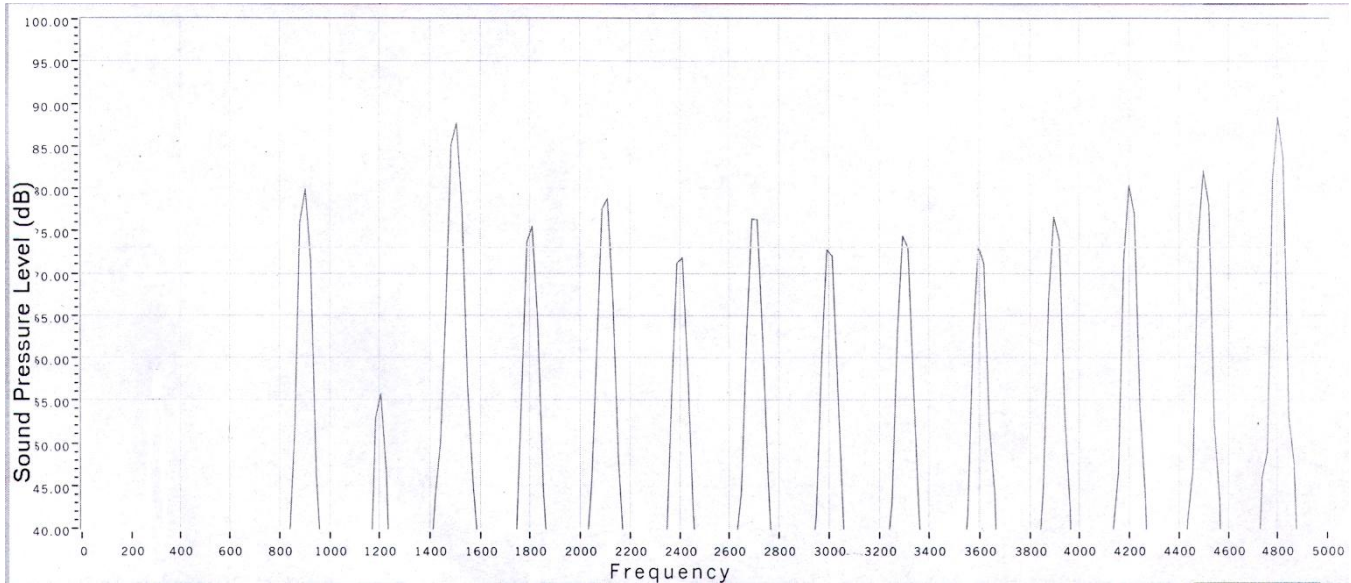
***High Priority Signal:** 10 Beeps that Repeat

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

Continued

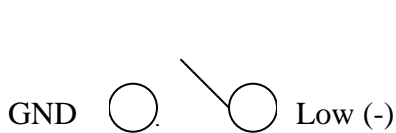
MSS5M1 Alarm (Con't)

Frequency Response:

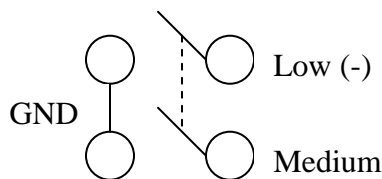


As shown above, the fundamental frequency is 975 Hz, and there are more than 4 harmonic peaks between 1 and 4 kHz. All harmonic peaks are within ± 15 dB of the fundamental frequency

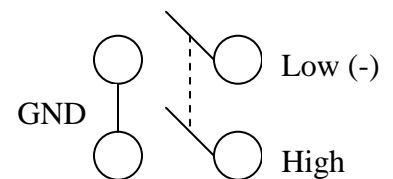
Priority Signal Activation:



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

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