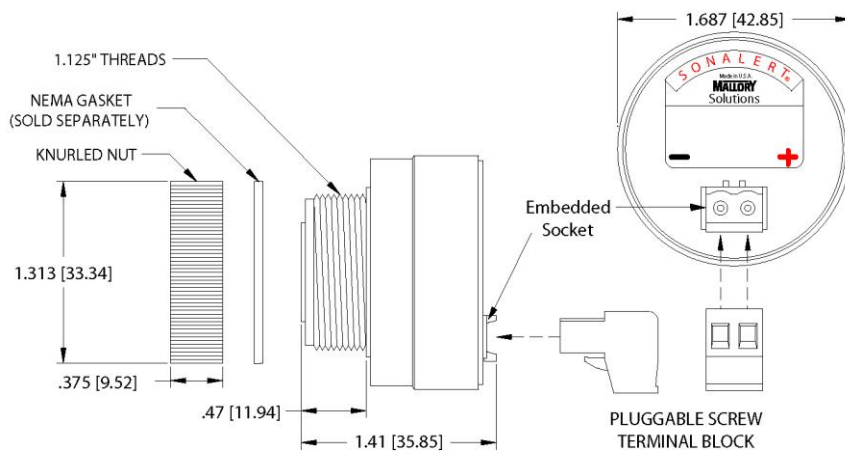
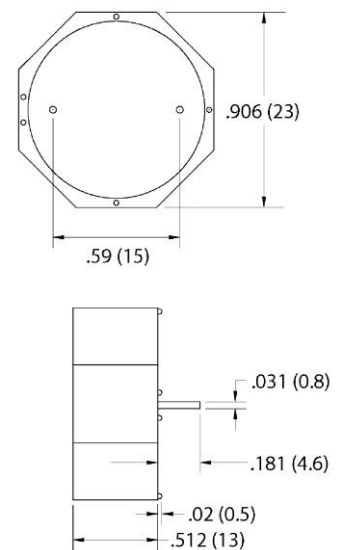


Product APPLICATION Guide

IEC 60601-1-8 Speaker/Housing Alarms For Medical Applications

**SCS300MDB******MSS300R**

** For Screw Terminal, Part Number = SCS300MDS

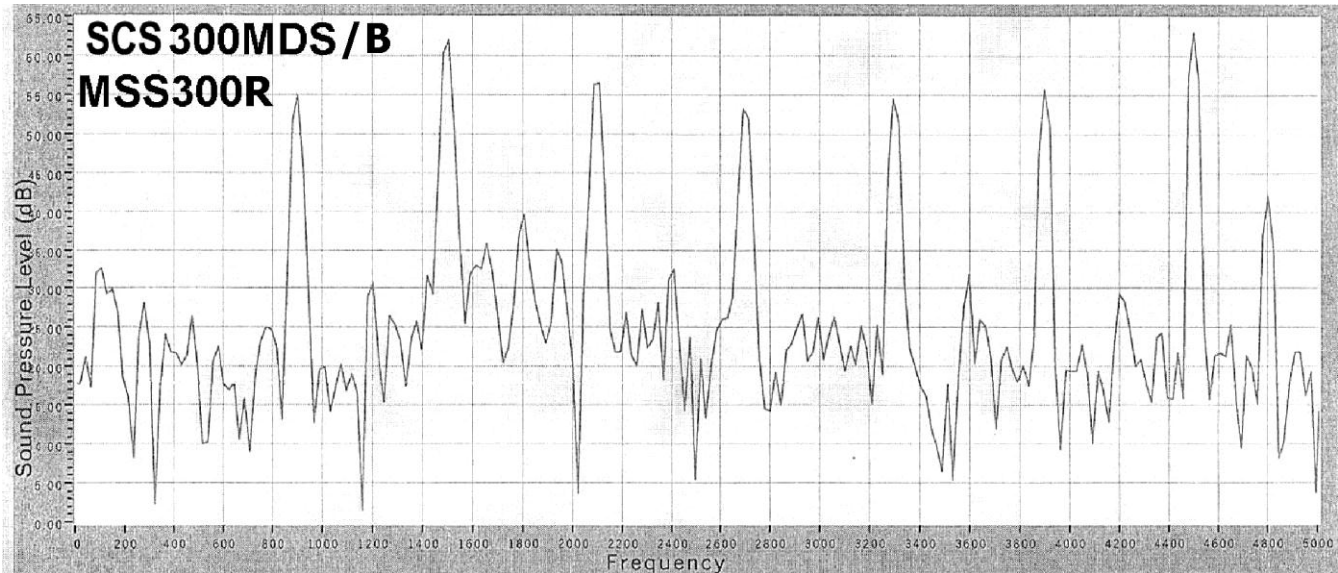
KEY FEATURES:

- 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 with 325 Hz Square Wave Signal
- 8 Ohm; 0.25 Watt Mylar Speaker
- 325 Hz Square Wave Input Drive Signal Required
- Panel or Board Mount Package
- RoHS Compliant

Continued 

IEC 60601-1-8 Speaker/Housing Alarms (Con't)

Frequency Response (with 325 Hz Square Wave Applied):



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

Specifications

Fundamental Freq:	975 \pm 24 Hz.	Rated Wattage:	0.25 Watts
No. of Harmonics:	Min. of 4 (1 to 4 kHz)	Max Wattage:	0.50 Watts
Sound Level:	85 dB @ 10 cm Typical	Drive Signal:	325 \pm 8 Hz Square Wave
Storage Temp:	-20 $^{\circ}$ C to +55 $^{\circ}$ C	Case Material:	SCS300MD#: Nylon 6/6
Operating Temp:	-20 $^{\circ}$ C to +55 $^{\circ}$ C		MSS300R: Valox
Speaker Impedance:	8 Ohm (1 Volt; 800 Hz)	Speaker Material:	Mylar

IEC 60601-1-8 Notes

1. No circuitry is included with these devices. The designer must supply the 325 Hz square wave drive signal. Recommended voltage for long term life is 2.8 Vpp.
 2. Refer to IEC 60601-1-8 for the appropriate beeping rate that is required which depends on the priority of the alarm.
 3. Only one frequency (325 Hz) is needed to be applied to this device. The multiple harmonic frequencies are automatically generated acoustically.
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Call 317-612-1000 or Visit www.mallory-sonalert.com for More Details