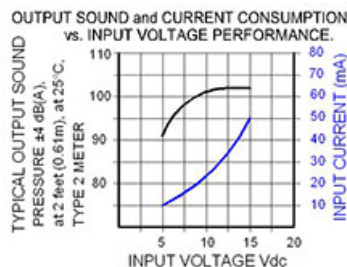


## M-80/M-100 Series

M-80W (functional replacement for SP-509 boat alarm)



More Information

 [UL Recognized](#)

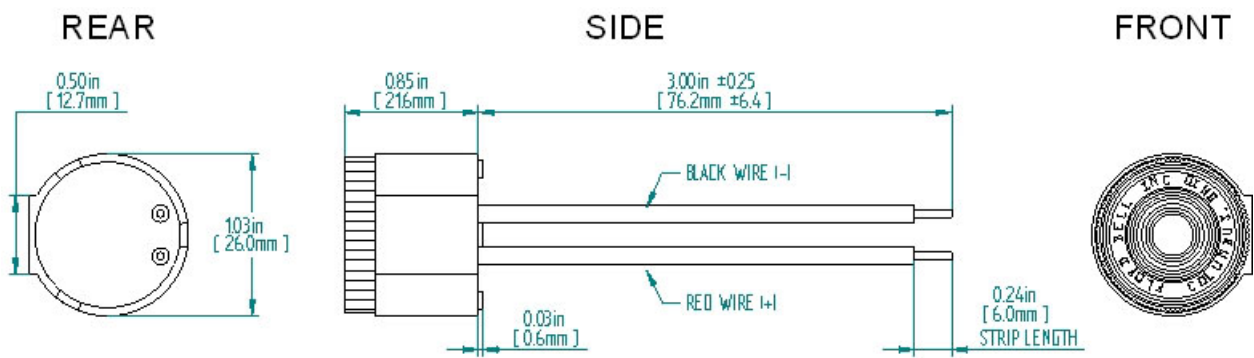
 **RoHS** Compliant

## Specifications

|                                     |                                                                                                                                                                                                                                                                                        |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Mounting</b>                     | Adhesive Mount                                                                                                                                                                                                                                                                         |
| <b>Operating Mode</b>               | Medium Loud Continuous Tone                                                                                                                                                                                                                                                            |
| <b>Operating Voltage</b>            | 5-15 Vdc                                                                                                                                                                                                                                                                               |
| <b>Operating Frequency</b>          | 2900±250 Hz                                                                                                                                                                                                                                                                            |
| <b>Typical Operating Current</b>    | 10 mA at 5 Vdc<br>50 mA at 15 Vdc                                                                                                                                                                                                                                                      |
| <b>Typical Sound Pressure</b>       | 92 ±5 dB(A) at 5 Vdc at 24 inches (61 cm), at 25°C<br>103 ±5 dB(A) at 15 Vdc at 24 inches (61 cm), at 25°C                                                                                                                                                                             |
| <b>Termination</b>                  | Wires                                                                                                                                                                                                                                                                                  |
| <b>Termination Strength</b>         | Pull test with a maximum of 22 pounds (10 kg) load                                                                                                                                                                                                                                     |
| <b>Operating Temperature</b>        | -20_C to +65_C                                                                                                                                                                                                                                                                         |
| <b>Storage Temperature</b>          | -40_C to +85_C                                                                                                                                                                                                                                                                         |
| <b>Surge Voltage</b>                | 20% over maximum rated voltage for less than 5 minutes                                                                                                                                                                                                                                 |
| <b>Reverse Voltage Protection</b>   | To the maximum operating voltage                                                                                                                                                                                                                                                       |
| <b>Construction Materials</b>       | Case- Plastic _NORYL_ N-190, Flame Retardant UL 94-VO, Red<br>Internal Circuit- Audio-oscillator and piezoelectric driver<br>Potting- 2 parts epoxy resin or silicone, black<br>Diaphragm- Stainless Steel 304                                                                         |
| <b>Construction Materials</b>       | ASTM B117 Certified - Withstands exposure to salt spray for 300 hours<br>IP 68 Certified - Withstands water submergence and dust exposure<br>Humidity- 95% relative humidity at +40_C continuously for 100 hours.<br>Vibration- Withstands vibration between 0 and 55 Hz. on all axes. |
| <b>Life Expectancy</b>              | 10 years under normal operating conditions.                                                                                                                                                                                                                                            |
| <b>Warranty</b>                     | For a period of two years from the date of manufacture under normal operating conditions.                                                                                                                                                                                              |
| <b>Notes</b>                        | This product is not intended as a life safety device.                                                                                                                                                                                                                                  |
| <b>Terms and Conditions of Sale</b> | <a href="#">Link here</a>                                                                                                                                                                                                                                                              |

□

Dimensions



TOLERANCES ARE  $\pm 0.03$ in [ $\pm 0.76$ mm] UNLESS OTHERWISE SPECIFIED