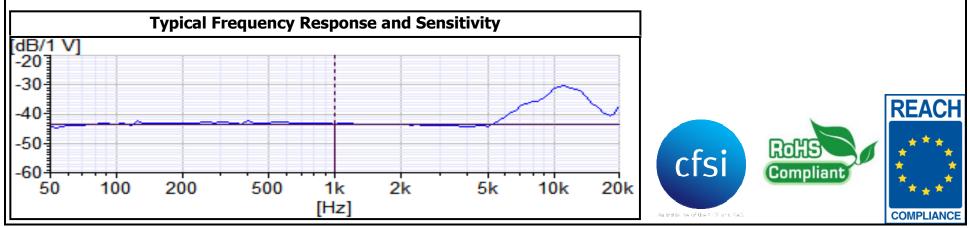


POW-1644L-LWC50-B-R Omni-Directional Waterproof Microphone

3541 Stop Eight Road • Dayton, Ohio 45414

Product Overview

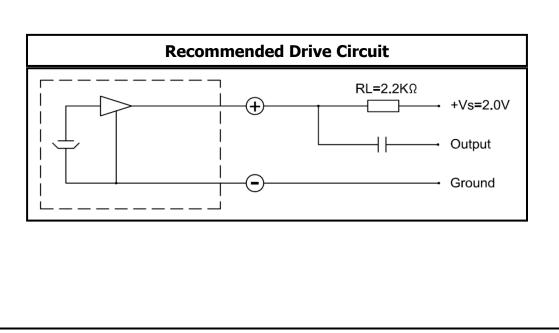
- 7.1mm overall diameter and 2.6mm height
- -44 dB sensitivity for use in most environments
- Wide 2 to 10 VDC operating voltage and 50-16,000 Hz frequency response
- >60 dB signal-to-noise ratio and 2.2 kOhm impedance
- Omni-directional polar pattern for great off-axis response
- IP57 rated and built with a rubber boot for a superior seal
- 50mm lead wires and a Molex[®] 51021-0200 connector

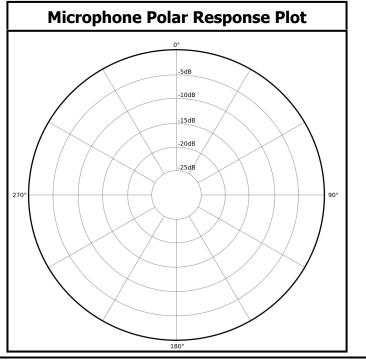


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Mechanical and Environment Testing	
Test Description	Test Condition
High Temperature	70°C with random humidity for 200 hours
Low Temperature	-25°C with random humidity for 200 hours
Humidity	40°C with 90% relative humidity for 200 hours
Vibration	3 mm movement for 3 minutes in each of 3 axis
Drop Test	70 cm free fall onto 20 mm thick board, two directions
Temperature Cycle Test	-10°C to 50°C, 5 cycles





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