

Omni-Directional Microphone with Solder Pads



DESCRIPTION

Omni-directional 6mm diameter microphone, PCB surface mount.

DISTINCTIVE FEATURES

- PCB Mount, surface mount
- 6mm Diameter
- Frequency range 50Hz to 16KHz
- Signal-to-noise ratio >60dB
- Integrated capacitors for RF filtering

APPLICATIONS

Suitable for Audio, consumer electronics & portable devices. Also useful for corded and cordless phones, PDAs, notebooks, mobile phones & headsets.

6mm
Ø

Omni

SMT



ELECTRICAL SPECIFICATION

Standard Operating Voltage	2V
Maximum Operating Voltage	10V
Maximum current consumption	0.5mA
Output impedance	< 2.2KΩ
Frequency	50~16,000Hz
Sensitivity	-42±3dB (@F=1KHz, 0dB=1V/Pa)
Sensitivity reduction	-3dB (@1.5V~3.0V)
Signal to noise ratio	>60dB (F=1KHz 1Pa) A weighted
Electret type	Foil Type
Internal Filtering Capacitors	C1 = 10pF, C2 = 33pF



GENERAL SPECIFICATION

Type	Microphone Capsule
Directivity	Omni Directional
RoHS Compliant	



MATERIALS

Material	Aluminium
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ENVIRONMENTAL/OPERATING SPECIFICATION

Storage temperature	-20°C~+60°C
Operating temperature	-20°C~+60°C



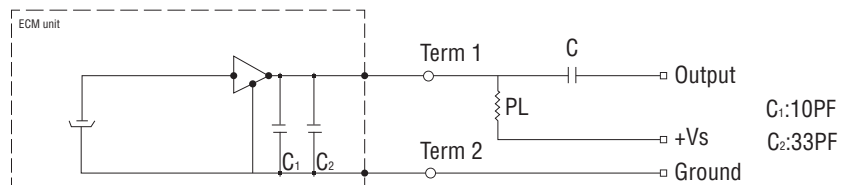
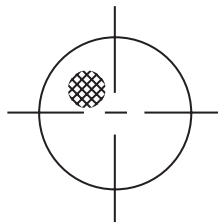
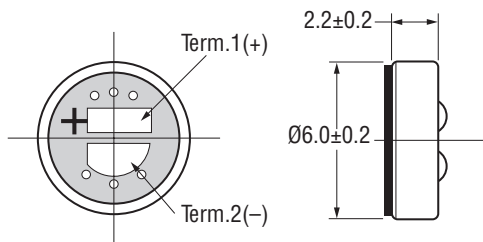
TERMINALS

Termination	Solder Pads
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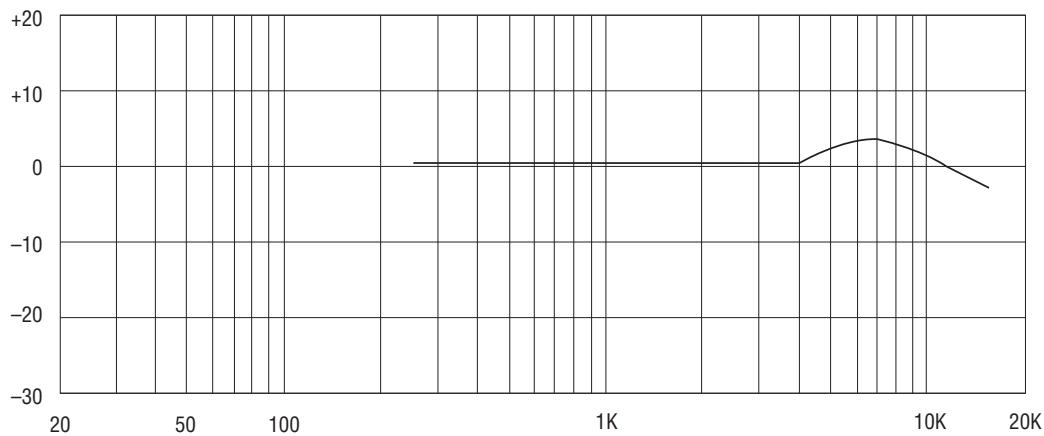


DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Dimensions	Ø6 x 2.2mm
Weight	0.2 grams



Typical Frequency Response Curve



PART NUMBER TABLE

Part Number	UNSPSC	EAN	Country Of Origin
35-0096	52161520	5053556003242	China

R-TECH

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