

## Omni Directional PCB Mount Microphone



### DESCRIPTION

Omni-directional 6mm diameter microphone, PCB through-hole.

### DISTINCTIVE FEATURES

- PCB Mount, through hole
- 6mm Diameter
- Frequency range 100Hz to 16kHz
- Signal-to-noise ratio >60dB
- Integrated capacitors for RF filtering

### APPLICATIONS

Suitable for Audio, consumer electronics & portable devices.

6mm  
Ø

Omni





## ELECTRICAL SPECIFICATION

Standard Operating Voltage	2V
Maximum Operating Voltage	10V
Maximum current consumption	0.5mA
Output impedance	< 2.2KΩ
Frequency	100~16,000Hz
Sensitivity	-40±3dB (@F=1KHz, 0dB=1V/Pa)
Sensitivity reduction	-3dB (@1.5V-30V)
Signal to noise ratio	>60dB (F=1KHz 1Pa) A weighted
Electrets 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



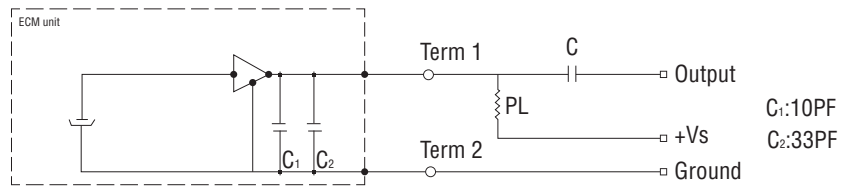
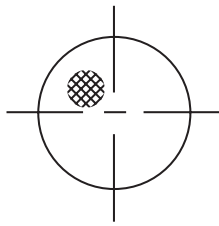
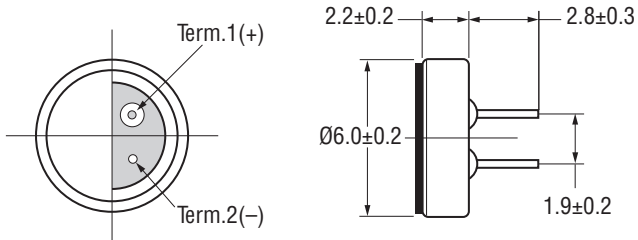
## TERMINALS

Termination	PCB Mount
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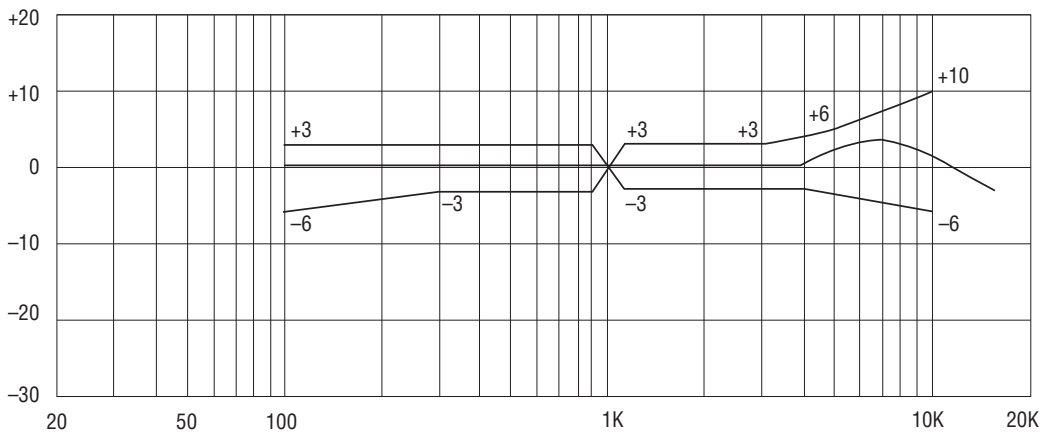


## DIMENSIONS/DRAWINGS

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
35-0095	52161520	5053556003235	China

# R-TECH

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