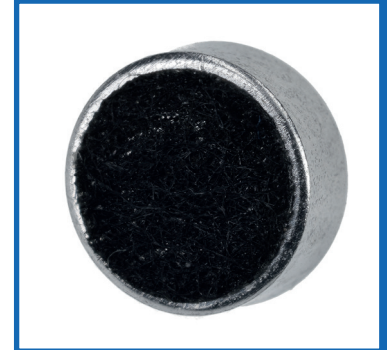


Omni-directional PCB Mount Electret Condenser Microphone



DESCRIPTION

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

DISTINCTIVE FEATURES

- PCB mount, through hole
- 6mm diameter
- Frequency range 50~16000Hz
- Signal to noise ratio (F=1KHz 1Pa)
A weighted 60dB
- Integrated capacitors for RF filtering

APPLICATIONS

Suitable for Audio, consumer electronics & portable devices.

6mm
Ø

Omni

Thru
Hole





ELECTRICAL SPECIFICATION

Standard Operating Voltage	2V
Maximum Operating Voltage	10V
Maximum current consumption	0.5mA
Output impedance	2.2K Ω (F=1KHz 1Pa)
Frequency	50~16000Hz
Sensitivity	-42 \pm 2dB (F=1KHz, 0dB=1VPa)
Sensitivity reduction	-3dB (@1.5V-3.0V)
Signal to noise ratio	60dB (F=1KHz 1Pa) A weighted
Electrets type	Foil Type
Internal Filtering Capacitors	C1 = 10pF, C2 = 33pF



GENERAL SPECIFICATION

Type	Electret Condenser Microphone Capsule
Directivity	Omni-directional
RoHS Compliant	Yes



MATERIALS

Material	Aluminium
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ENVIRONMENTAL/OPERATING SPECIFICATION

Storage temperature	-20 $^{\circ}$ C~+60 $^{\circ}$ C
Operating temperature	-20 $^{\circ}$ C~+60 $^{\circ}$ C



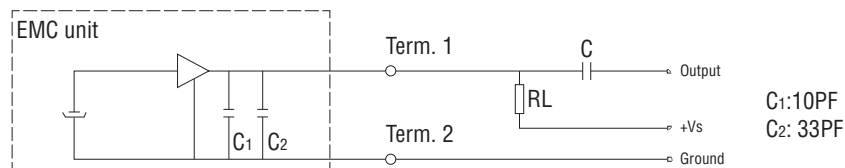
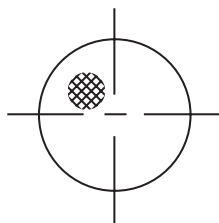
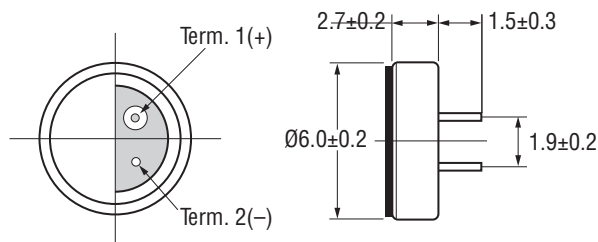
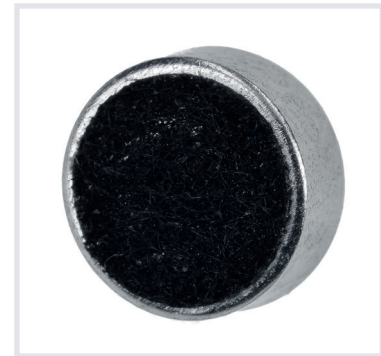
TERMINALS

Termination	Pin Type
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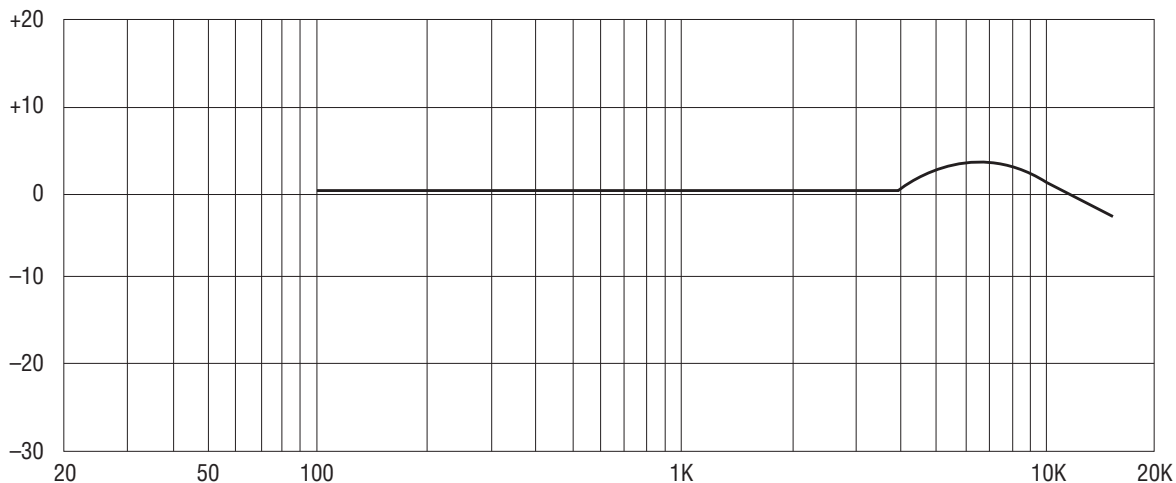


DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Dimensions	$\text{Ø}6.0\pm 0.2 \times 2.7\pm 0.2\text{mm}$
Weight	0.454 grams



Typical Frequency Response Curve



PART NUMBER TABLE

Part Number	UNSPSC	EAN	Country of Origin
52-4623	52161520	5053556008940	China

For further information on pricing, delivery, and long-term stock agreements please contact your local business development person, telephone our main office on **01206 838000** or email **Sales@Rapidonline.com**.

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