

## Noise-cancelling Electret Condenser Microphone with Solder Pads



### DESCRIPTION

Noise-cancelling microphone, PCB surface mount.

### DISTINCTIVE FEATURES

- PCB Surface mount with solder pads
- 6mm diameter
- Frequency range 50~16000Hz
- Signal to noise ratio (F=1KHz 1Pa)  
A weighted >58dB

### APPLICATIONS

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

6mm  
Ø

SMT

Noise



## ELECTRICAL SPECIFICATION

Standard Operating Voltage	2V
Maximum Operating Voltage	10V
Maximum current consumption	0.5mA
Output impedance	< 2.2KΩ
Frequency	50~16000Hz
Sensitivity	-47±3dB (@F=1KHz, 0dB=1V/Pa)
Sensitivity reduction	-3dB (@1.5V~3.0V)
Signal to noise ratio	>58dB (F=1KHz 1Pa) A weighted
Electrets type	Foil Type
Internal Filtering Capacitors	C1 = 10pF, C2 = 33pF



## GENERAL SPECIFICATION

Type	Electret Condenser Microphone Capsule
Directivity	Noise-cancelling
RoHS Compliant	Yes



## MATERIALS

Material	Aluminium
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## ENVIRONMENTAL/OPERATING SPECIFICATION

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



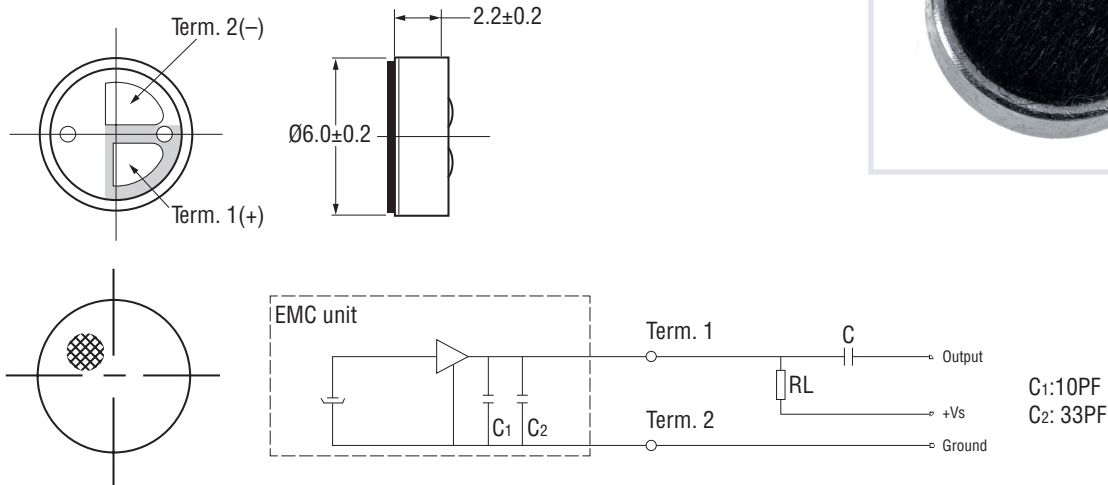
## TERMINALS

Termination	Solder Pads
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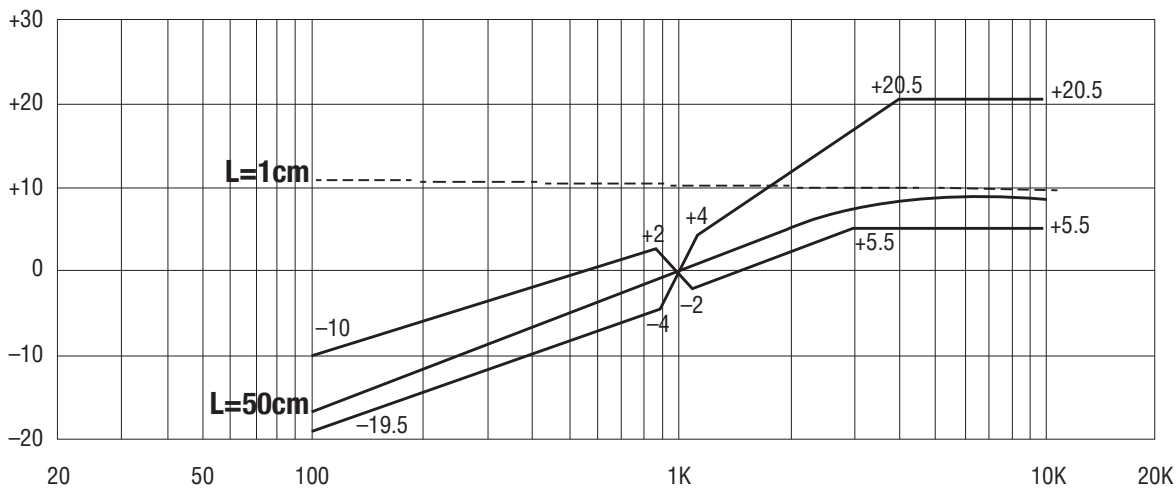


## DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Dimensions	$\text{Ø}6.0\pm 0.2 \times 2.2\pm 0.2\text{mm}$
Weight	1.089 grams



Typical Frequency Response Curve



## PART NUMBER TABLE

Part Number	UNSPSC	EAN	Country of Origin
<b>52-4622</b>	52161520	5053556008933	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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