

## Noise Cancelling Microphone with Solder pads



### DESCRIPTION

Noise cancelling microphone, PCB surface mount.

### DISTINCTIVE FEATURES

- PCB Surface mount with solder pads
- 9.7mm diameter
- Frequency Range 100Hz To 10 KHz
- Signal To Noise Ratio >58dB

### APPLICATIONS

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

9.7mm  
Ø

SMT





## ELECTRICAL SPECIFICATION

Standard Operating Voltage	2V
Maximum Operating Voltage	10V
Maximum current consumption	0.5mA
Output impedance	< 2.2KΩ
Frequency	100~10,000Hz
Sensitivity	-40±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	Microphone Capsule
Directivity	Noise Cancelling
RoHS Compliant	



## MATERIALS

Material	Aluminium
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## ENVIRONMENTAL/OPERATING SPECIFICATION

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



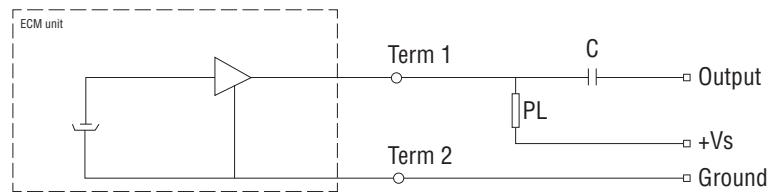
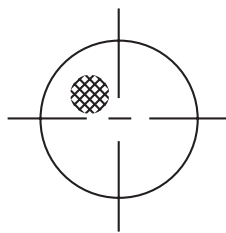
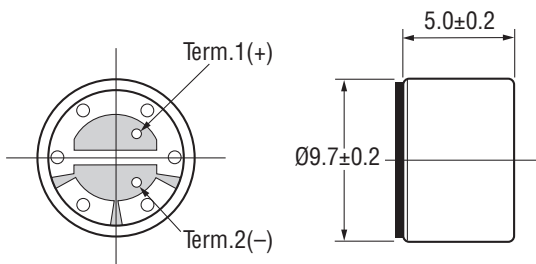
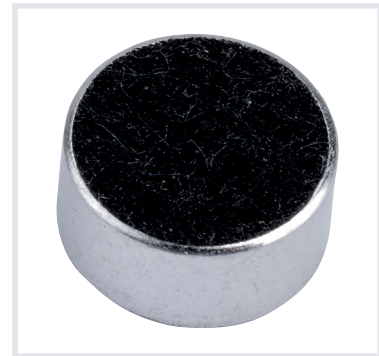
## TERMINALS

Termination	Solder Pads
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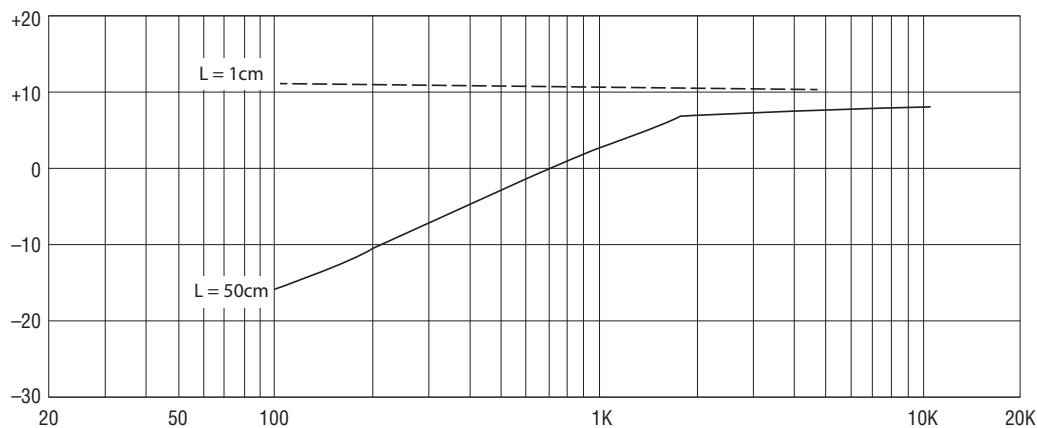


## DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Dimensions	Ø9.7 x 5.0mm
Weight	0.8 grams



Typical Frequency Response Curve



## PART NUMBER TABLE

Part Number	UNSPSC	EAN	Country Of Origin
35-0097	52161520	5053556003259	China

# R-TECH

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