Piezo Buzzer

SPB59



MATERIALS Color - Black Plastic Material - ABS Terminal - Pin Type

Weight approx. 8 gm.



Model

Operating Voltage

* Min. Sound Output at 1m

Operating Temperature

Operating Voltage

* Max. Rated Current

*# Min. Sound Output

Operating Temperature

Rated Voltage

*# Frequency

Tone Nature

Rated Voltage Max. Rated Current

* Frequency

Tone Nature

Unit PB59-SD9APR

3200 +/- 500

-20 ~ +60

3 ~ 15

mA. 50

Hz

dBA 90

Single °C -20 ~ +6

SIDE VIEW





BOTTOM VIEW

SPB61

MATERIALS Color - White Plastic Material - ABS Terminal - Plate Type

Weight approx. 8 gm.



SIDE VIEW



All dimensions are in mm Unspecified Tolerance are +/-0.5mm

Model	Unit	PB61-MM1224ANR
Operating Voltage	V	1 ~ 30
Rated Voltage	V	12/24
* Max. Rated Current	mA.	32
*# Min. Sound Output	dBA	-
*# Frequency	Hz	-
Tone Nature		Multi-Tone
Operating Temperature	°C	-40 ~ +80

#See Tone-table

SPB60



Color - White Plastic Material - PBT Terminal - Plate Type

approx. 43 gm.





Unit PB60-MM1224ANR

Multi-Tone

-40 ~ +80

6~28 V 12/24

mA. 260

Hz

dBA -





BOTTOM VIEW

All dimensions are in mm Unspecified Tolerance are +/-0.5mm

#See Tone-table



Weight

SMDSpeaker







Color - Black House Material - Plastic Terminal - SMD Type Shape - Square

Weight approx. 1.5 gm.







MATERIALS

Color - Black House Material - Plastic Terminal - SMD Type Shape - Square

MSM1313

Weight approx. 1.1 gm.

- 3	
<u>+</u>	13

Sound Pressure Level

Frequency Response

Operating Temperature

Rated Input Power

Max. Input Power

Resonant Frequency [Fo]

Impedance





W 1.0 W

-30 ~ +85





MATERIALS

Model	Unit	MSM1515-02R
Sound Pressure Level	dB	92 +/- 2dB
Impedance	ohm	8 ohm +/- 15%
Resonant Frequency [Fo]	Hz	800 Hz +/- 15%
Frequency Response	Hz	Fo ~ 20K Hz
Rated Input Power	W	0.5 W
Max. Input Power	W	0.8 W
Operating Temperature	°C	-30 ~ +85

