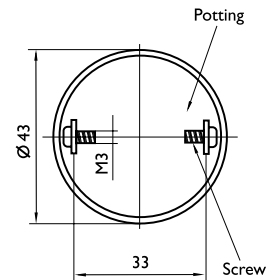
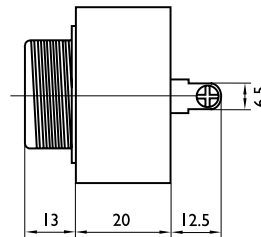
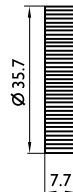
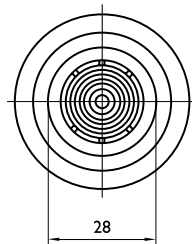


# Piezo Indicator

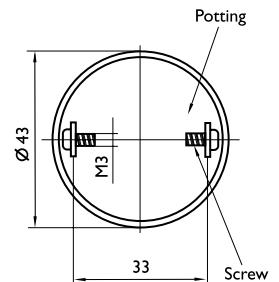
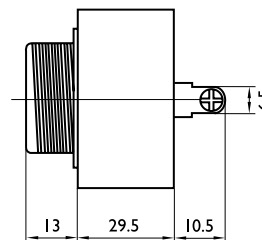
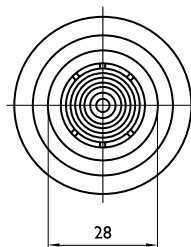
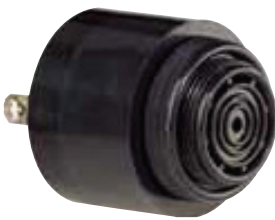
## DC Devices (with internal drive circuits)

### Panel Mount - Screw Type

#### ABI-024-RC & ABI-025-RC



#### ABI-027-RC



Dimensions : Millimetres  
Tolerance: ±0.5mm

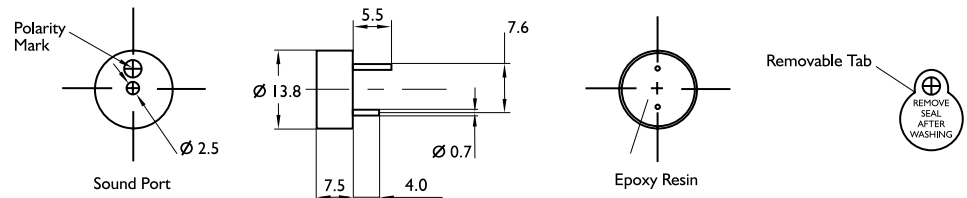
## Specifications

Part Number	ABI-024-RC	ABI-025-RC	ABI-027-RC
Rated Voltage	12V DC	12V DC	220V DC/AC
Operating Voltage	4 - 28V DC	6 - 28VDC	60 - 250V DC/AC
Rated Current	≤ 8mA	≤ 6mA	≤ 16mA
Sound Output level	≥ 97dB @30cm	≥ 88dB @30cm	≥ 91dB @30cm
Resonant Frequency	2800Hz ±500Hz	2900Hz ±500Hz	2800Hz ±500Hz
Tone	Continuous	Flat Pulse	Flat Pulse
Housing Material	Black ABS	Black ABS	Black ABS
Operating Temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Storage Temperature	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C
Weight	43g	43g	43g

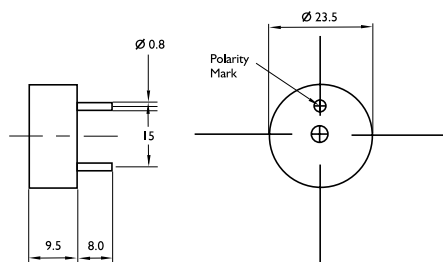
# Piezo Indicator

## Through Hole Type

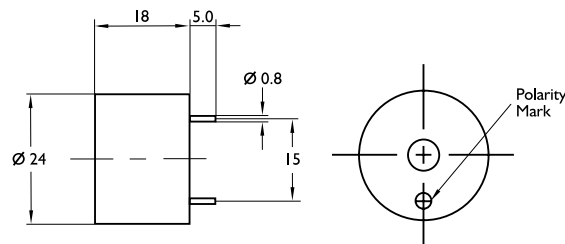
### ABI-001-RC



### ABI-003-RC



### ABI-007-RC

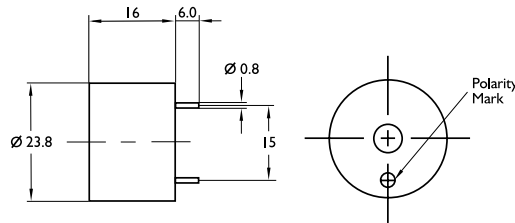


Dimensions : Millimetres  
Tolerance: ±0.5mm

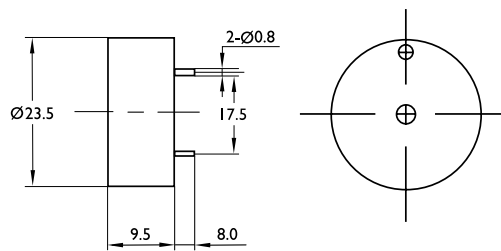
## Specifications

Part Number	ABI-001-RC	ABI-003-RC	ABI-007-RC
Rated Voltage	12V DC	12V DC	12V DC
Operating Voltage	3 ~ 16V DC	3 ~ 20V DC	3 ~ 16V DC
Rated Current	≤ 7mA	≤ 15mA	≤ 8mA
Sound Output level	≥ 80dB @10cm	≥ 95dB @10cm	≥ 90dB @30cm
Resonant Frequency	4000Hz ±500Hz	3400Hz ±500Hz	3700Hz ±500Hz
Tone	Continuous		
Housing Material	Black Noryl		
Operating Temperature	-20°C to +70°C	-20°C to +60°C	
Storage Temperature	-30°C to +80°C	-30°C to +70°C	
Pin Pitch	7.6mm	15mm	15mm
Weight	1g	4g	5g

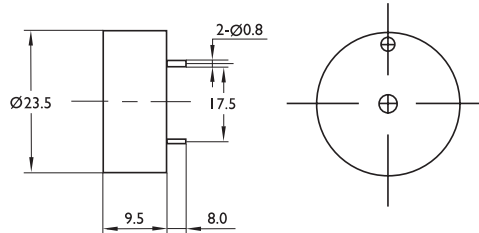
## ABI-008-RC



## ABI-033-RC



## ABI-051-RC



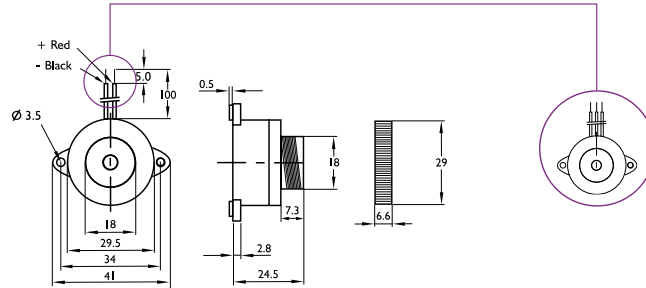
Dimensions : Millimetres  
Tolerance: ±0.5mm

## Specifications

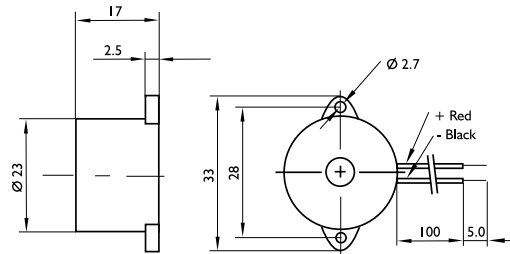
Part Number	ABI-008-RC	ABI-033-RC	ABI-051-RC
Rated Voltage	12V DC	24V DC	12V DC
Operating Voltage	3 ~ 20V DC	3 ~ 30V DC	3 ~ 20V DC
Rated Current	≤ 8mA	≤ 30mA	≤ 15mA
Sound Output level	≥ 85dB @30cm	≥ 95dB @10cm	≥ 95dB @10cm
Resonant Frequency	2900Hz ±500Hz	3400Hz ±500Hz	
Tone	Continuous		
Housing Material	Black Noryl		
Operating Temperature	-20°C to +60°C	-20°C to +70°C	-20°C to +70°C
Storage Temperature	-30°C to +70°C	-30°C to +80°C	-40°C to +85°C
Pin Pitch	15mm	17.5mm	17.5
Weight	6g	4g	4g

## Flange Mount - Wire Lead Type

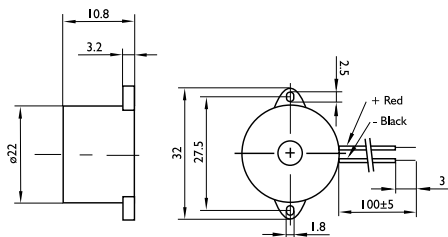
ABI-004-RC & ABI-005-RC



ABI-006-RC



ABI-014-RC

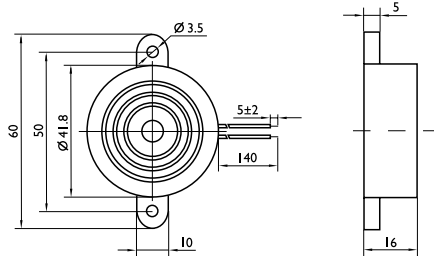


Dimensions : Millimetres  
Tolerance: ±0.5mm

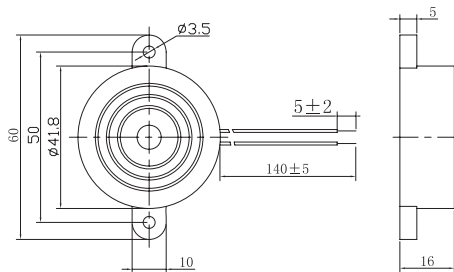
## Specifications

Part Number	ABI-004-RC	ABI-005-RC	ABI-006-RC	ABI-014-RC
Rated Voltage	12V DC	24V DC	12V DC	12V DC
Operating Voltage	1.5 ~ 16VDC	1.5 ~ 28VDC	3 ~ 16VDC	3 ~ 30VDC
Rated Current	≤ 15mA	≤ 20mA	≤ 8mA	≤ 3mA
Sound Output level	≥ 95dB @30cm	≥ 95dB @30cm	≥ 90dB @30cm	≥ 80dB @30cm
Resonant Frequency	3500Hz ±500Hz	3500Hz ±500Hz	3700Hz ±500Hz	4500Hz ±500Hz
Tone	Continuous			
Housing Material	Black ABS			
Operating Temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Storage Temperature	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C	-30°C to +70°C
Lead Wire	UL1007 AWG26	UL1007 AWG26	UL1095 AWG28	UL1007 AWG26
Lead Length	100mm			
Weight	15g		5g	4g

## ABI-023-RC



## ABI-056-RC



Dimensions : Millimetres  
Tolerance: ±0.5mm

## Specifications

Part Number	ABI-023-RC	ABI-056-RC
Rated Voltage	12V DC	12V DC
Operating Voltage	3 ~ 20VDC	3 ~ 28VDC
Rated Current	≤ 10mA	≤ 9mA
Sound Output level	≥ 96dB @30cm	≥ 90dB @30cm
Resonant Frequency	2800Hz ±500Hz	2800Hz ±500Hz
Tone	Continuous	Slow Pulse 1.2 ±30%Hz
Housing Material	Black ABS	Black ABS
Operating Temperature	-20°C to +60°C	-20°C to +60°C
Storage Temperature	-30°C to +70°C	-30°C to +70°C
Lead Wire	UL1007 AWG28	UL1007 AWG24
Lead Length	140mm	140mm
Weight	15g	15g

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