

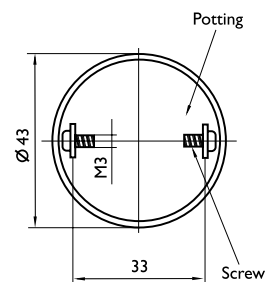
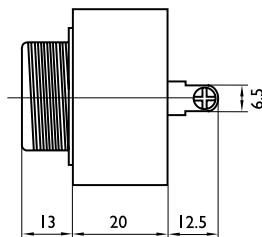
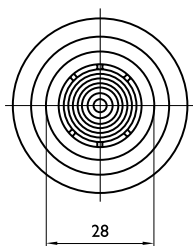
# Piezo Indicator

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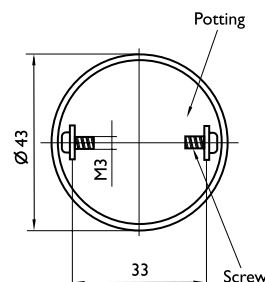
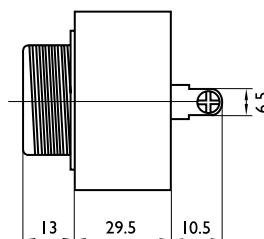
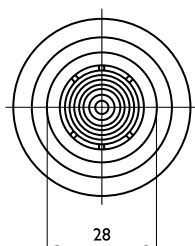
DC Devices (with internal drive circuits)

Panel Mount - Screw Type

ABI-024-RC &amp; ABI-025-RC



ABI-027-RC


 Dimensions : Millimetres  
 Tolerance:  $\pm 0.5\text{mm}$ 

## Specifications

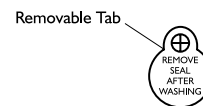
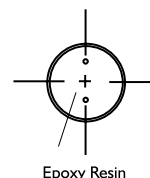
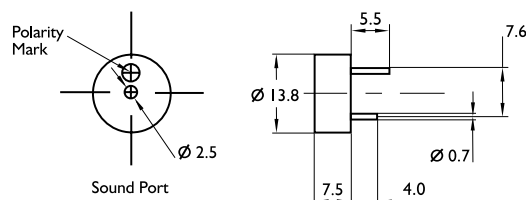
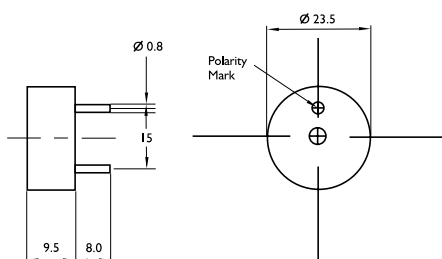
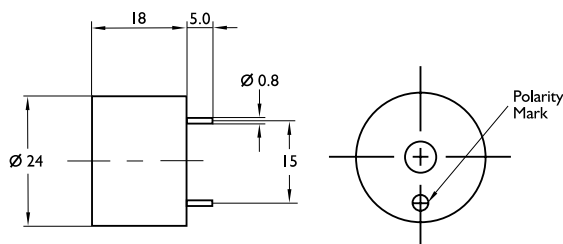
| Part Number           | ABI-024-RC                | ABI-025-RC                | ABI-027-RC                |
|-----------------------|---------------------------|---------------------------|---------------------------|
| Rated Voltage         | 12V DC                    | 12V DC                    | 220V DC/AC                |
| Operating Voltage     | 4 - 28V DC                | 6 - 28VDC                 | 60 - 250V DC/AC           |
| Rated Current         | $\leq 8\text{mA}$         | $\leq 6\text{mA}$         | $\leq 16\text{mA}$        |
| Sound Output level    | $\geq 97\text{dB @30cm}$  | $\geq 88\text{dB @30cm}$  | $\geq 91\text{dB @30cm}$  |
| Resonant Frequency    | 2800Hz $\pm 500\text{Hz}$ | 2900Hz $\pm 500\text{Hz}$ | 2800Hz $\pm 500\text{Hz}$ |
| 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                       |

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# Piezo Indicator

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## Through Hole Type

**ABI-001-RC**

**ABI-003-RC**

**ABI-007-RC**

 Dimensions : Millimetres  
 Tolerance:  $\pm 0.5\text{mm}$ 

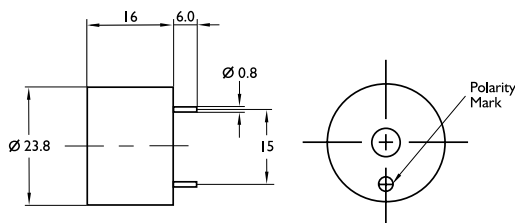
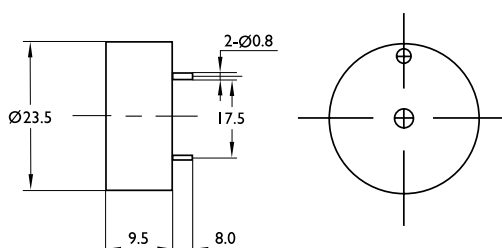
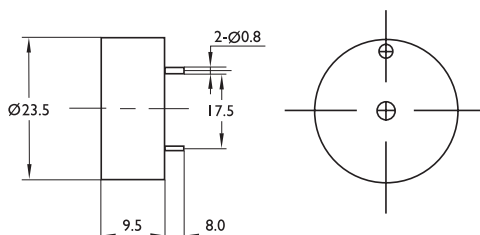
## Specifications

| 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         | $\leq 7\text{mA}$         | $\leq 15\text{mA}$        | $\leq 8\text{mA}$         |
| Sound Output level    | $\geq 80\text{dB @10cm}$  | $\geq 95\text{dB @10cm}$  | $\geq 90\text{dB @30cm}$  |
| Resonant Frequency    | 4000Hz $\pm 500\text{Hz}$ | 3400Hz $\pm 500\text{Hz}$ | 3700Hz $\pm 500\text{Hz}$ |
| 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                        |

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# Piezo Indicator

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**ABI-008-RC**

**ABI-033-RC**

**ABI-051-RC**

 Dimensions : Millimetres  
 Tolerance:  $\pm 0.5\text{mm}$ 

## 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℃ to +60℃  | -20℃ to +70℃  | -20℃ to +70℃ |
| Storage Temperature   | -30℃ to +70℃  | -30℃ to +80℃  | -40℃ to +85℃ |
| Pin Pitch             | 15mm          | 17.5mm        | 17.5         |
| Weight                | 6g            | 4g            | 4g           |

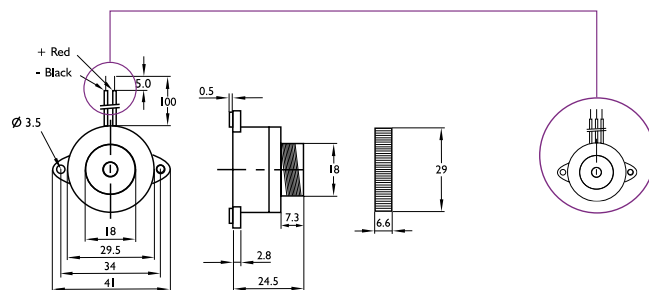
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# Piezo Indicator

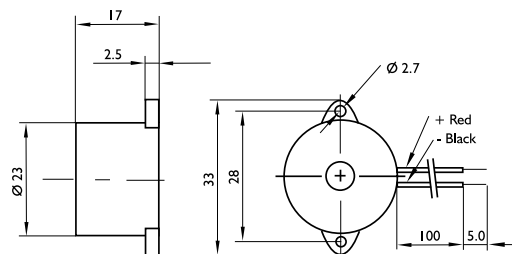
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## Flange Mount - Wire Lead Type

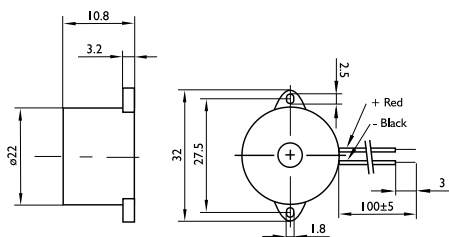
ABI-004-RC & ABI-005-RC



ABI-006-RC



ABI-014-RC



Dimensions : Millimetres  
Tolerance:  $\pm 0.5\text{mm}$

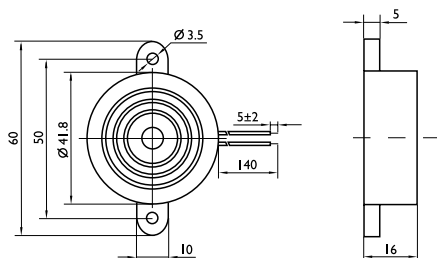
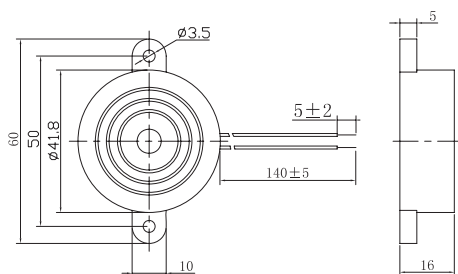
## Specifications

| 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         | $\leq 15\text{mA}$        | $\leq 20\text{mA}$        | $\leq 8\text{mA}$         | $\leq 3\text{mA}$         |
| Sound Output level    | $\geq 95\text{dB @30cm}$  | $\geq 95\text{dB @30cm}$  | $\geq 90\text{dB @30cm}$  | $\geq 80\text{dB @30cm}$  |
| Resonant Frequency    | 3500Hz $\pm 500\text{Hz}$ | 3500Hz $\pm 500\text{Hz}$ | 3700Hz $\pm 500\text{Hz}$ | 4500Hz $\pm 500\text{Hz}$ |
| 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                        |

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# Piezo Indicator

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**ABI-023-RC**

**ABI-056-RC**


Dimensions : Millimetres  
Tolerance:  $\pm 0.5$ mm

## Specifications

| Part Number           | ABI-023-RC          | ABI-056-RC                   |
|-----------------------|---------------------|------------------------------|
| Rated Voltage         | 12V DC              | 12V DC                       |
| Operating Voltage     | 3 ~ 20VDC           | 3 ~ 28VDC                    |
| Rated Current         | $\leq 10$ mA        | $\leq 9$ mA                  |
| Sound Output level    | $\geq 96$ dB @30cm  | $\geq 90$ dB @30cm           |
| Resonant Frequency    | 2800Hz $\pm 500$ Hz | 2800Hz $\pm 500$ Hz          |
| Tone                  | Continuous          | Slow Pulse 1.2 $\pm 30\%$ 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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