

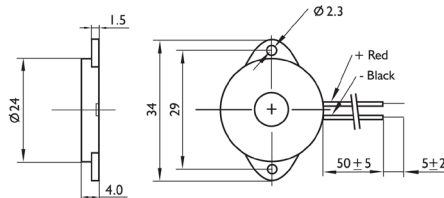
Piezo Transducer

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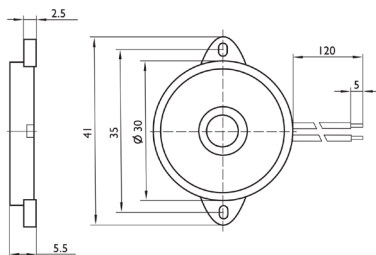
Panel Mount - Wire Lead Type

AC Devices (requires external circuitry to generate sound)

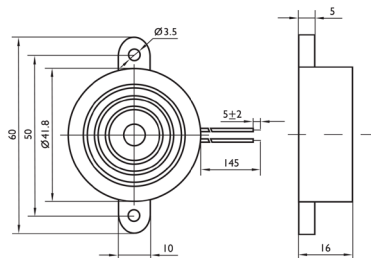
ABT-422-RC



ABT-431-RC



ABT-438-RC



Dimensions : Millimetres
Tolerance: ±0.5mm

Specifications

Part Number	ABT-422-RC	ABT-431-RC	ABT-438-RC
Rated Voltage (Vp-p square wave)	15Vp-p	9Vp-p	12Vp-p
Operating Voltage	1 - 30Vp-p	1 - 30Vp-p	1 - 30Vp-p
Rated Current	≤ 8mA	≤ 3mA	3mA
Sound Output level	≥ 90dB @30cm	≥ 88dB @10cm	≥ 90dB @30cm
Resonant Frequency	5500Hz ±700Hz	3500Hz ±500Hz	2800Hz ±500
Capacitance	18000pF ±30%pF	20000pF ±30%pF	35000pF ±30%
Tone	Continuous		
Housing Material	Black ABS	Black ABS	Black ABS
Operating Temperature	-20°C to +70°C	-20°C to +60°C	-20°C to +60°C
Storage Temperature	-30°C to +80°C	-30°C to +70°C	-30°C to +70°C
Lead Wire	UL1571 AWG32	UL1905 AWG28	UL1007 AWG28
Lead Length	50mm	120mm	145mm
Weight	3g	3.5g	10g

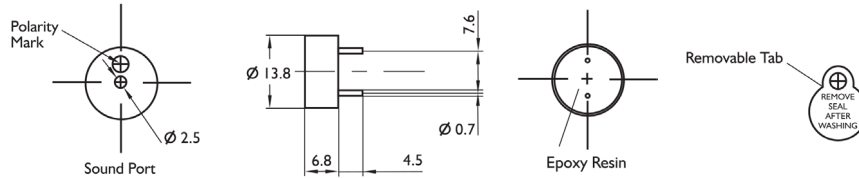
www.element14.com
www.farnell.com
www.newark.com
www.cpc.co.uk

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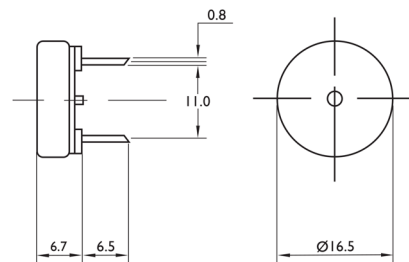
Through Hole Type

AC Devices (requires external circuitry to generate sound)

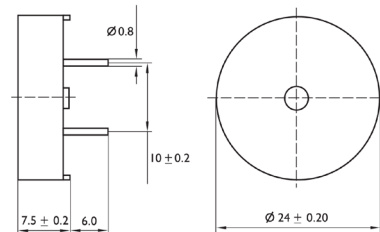
ABT-402-RC



ABT-405-RC



ABT-430-RC



Dimensions : Millimetres
Tolerance: ±0.5mm

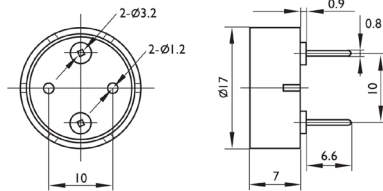
Specifications

Part Number	ABT-402-RC	ABT-405-RC	ABT-430-RC
Rated Voltage (Vp-p square wave)	5Vp-p	3Vp-p	9Vp-p
Operating Voltage	1 - 20Vp-p	1 - 30Vp-p	1 - 30Vp-p
Rated Current	≤ 1mA	≤ 1mA	≤ 3mA
Sound Output level	≥ 80dB @10cm	≥ 75dB @10cm	≥ 85dB @10cm
Resonant Frequency	4000Hz ±500Hz	4000Hz ±500Hz	4000Hz ±500Hz
Capacitance	13000pF ±30%pF	10000pF ±30%pF	17000pF ±30%pF
Tone	Continuous		
Housing Material	-	Black Noryl	Black ABS
Operating Temperature	-20°C to +70°C	-20°C to +70°C	-20°C to +60°C
Storage Temperature	-30°C to +80°C	-30°C to +80°C	-30°C to +70°C
Pin Pitch	7.6mm	11mm	10mm
Weight	1g	1g	3g

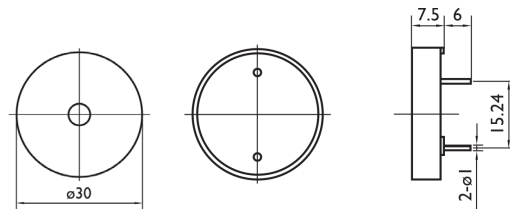
Piezo Transducer

pro-SIGNAL

ABT-436-RC



ABT-451-RC



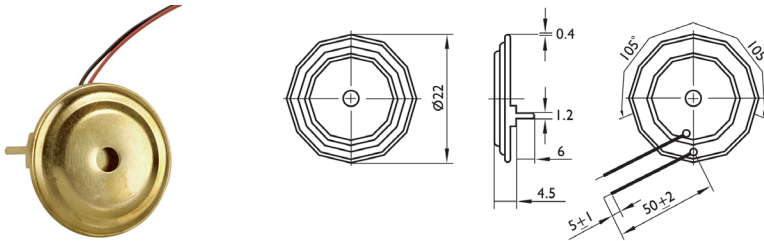
Dimensions : Millimetres
Tolerance: $\pm 0.5\text{mm}$

Specifications

Part Number	ABT-436-RC	ABT-451-RC
Rated Voltage (Vp-p square wave)	5Vp-p	10Vp-p
Operating Voltage	1 - 30Vp-p	1 - 30Vp-p
Rated Current	$\leq 1\text{mA}$	$\leq 3\text{mA}$
Sound Output level	$\geq 78\text{dB @}10\text{cm}$	$\geq 90\text{dB @}10\text{cm}$
Resonant Frequency	4000Hz $\pm 500\text{Hz}$	2800Hz $\pm 500\text{Hz}$
Capacitance	15000pF $\pm 30\%\text{pF}$	-
Tone	Continuous	
Housing Material	Black Noryl	Black ABS
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	10mm	15.24mm
Weight	1g	2g

Through Hole & Wire Lead Type

AC Devices (requires external circuitry to generate sound)



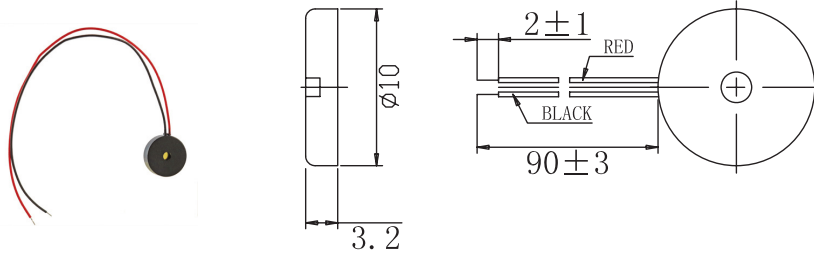
Dimensions : Millimetres
Tolerance: $\pm 0.5\text{mm}$

Specifications

Part Number	ABT-440-RC
Rated Voltage (Vp-p square wave)	15Vp-p
Operating Voltage	1 - 30Vp-p
Rated Current	$\leq 5\text{mA}$
Sound Output level	$\geq 90\text{dB @}10\text{cm}$
Resonant Frequency	4300Hz $\pm 500\text{Hz}$
Tone	Continuous
Housing Material	Brass
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
Lead Wire	UL1571 AWG32
Lead Length	50mm
Weight	2g

Wire Lead Type

AC Devices (requires external circuitry to generate sound)



Dimensions : Millimetres
Tolerance: ±0.5mm

Specifications

Part Number	ABT-459-RC
Rated Voltage (Vp-p square wave)	10Vp-p
Operating Voltage	1 - 30Vp-p
Rated Current	≤ 5mA
Sound Output level	≥ 80dB @10cm
Resonant Frequency	3200Hz ±500Hz
Capacitance	11000pF ±30%pF
Housing Material	Black ABS
Operating Temperature	-20°C to +60°C
Storage Temperature	-30°C to +70°C
Lead Wire	UL1571 AWG32
Lead Length	90mm
Weight	1g

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