



SAS-SERIES

INTRODUCTION

Sonitron **A**larms **S**eries are developed for a temperature range of -40°C to +85°C. Small designs and very loud output are the main characteristics of this piezo series. Different models are developed for use in applications where dimensions should be small and sound output loud, such as fire alarms, security devices,...etc.

ADVANTAGES & APPLICATIONS

ADVANTAGES :

- Loud siren output with high sound pressure level
- Dust tight, waterproof (IP67)
- Low current consumption
- No magnetic field

APPLICATIONS :

- Car alarm
- Fire alarm
- Motor alarm
- Home security alarm



SAS-2155 PIEZO SOUNDER

2000 to 3000 Hz

The SAS-2155 is a thin piezo electric siren with high sound pressure, low weight and low current consumption. The sound output is a powerful, clear and less aggressive sweep signal. There are many applications for this siren: all fire alarms, cars and motor vehicles, automation equipment, security devices, etc. The vibrating elements are unique and developed at Sonitron (worldwide patented). This series is made from high quality materials, offers extreme reliability and robustness, and features life time over 2000 hours in continuous use.

SPECIFICATIONS

Model	Function	Sound pressure level (dB(A)(±2dB(A))	Frequency (Hz)(±30%)	Operating voltage (Vdc)	Operating*** DCcurrent(mA)
SAS-2155-S	Sweep	102	2000 to 3000**	6-15	100

** Interval frequency is 3Hz (± 2Hz).

*** Operating current @12Vdc

Operating temperature:	-40°C to +85°C
Storage temperature:	-40°C to +85°C
Expected life time:	2000 hours continuous working @12Vdc @21°C @35% RH
Color:	grey, black
Terminals:	pins, fast-on and wire connection
Case material:	Standard ABS plastic (UL rating: 94HB) Akulon plastic on request
Weight:	35g
Mounting method:	Mounting on panels and walls with universal bracket

ELECTRICAL PARAMETERS

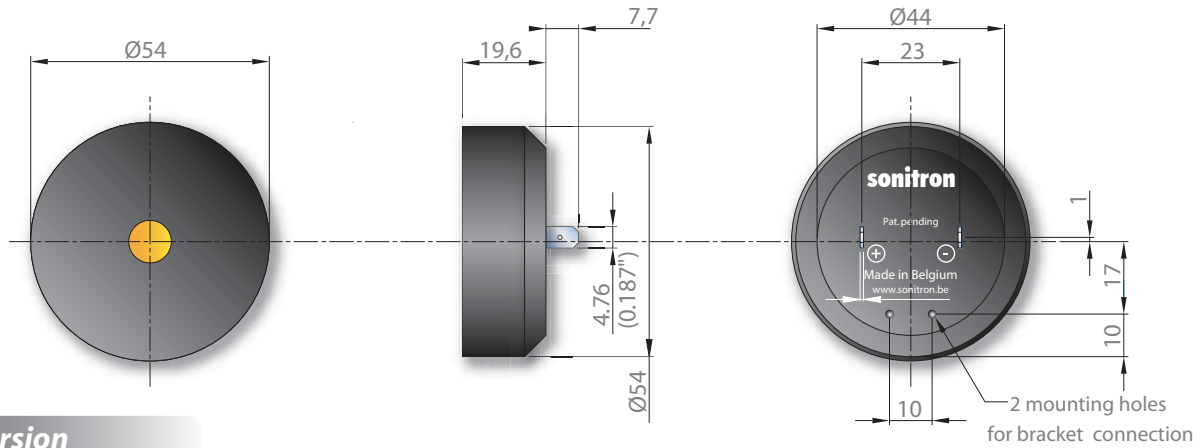
Model	Current consumption vs. operating voltage	Sound pressure level vs. operating voltage
SAS-2155-S	mA 	dB (A)

Note : All measurements are made in free air @1 meter @21°C @35% RH. For measurement purposes, the alarm was mounted with mounting bracket "MB1" on a wooden panel.

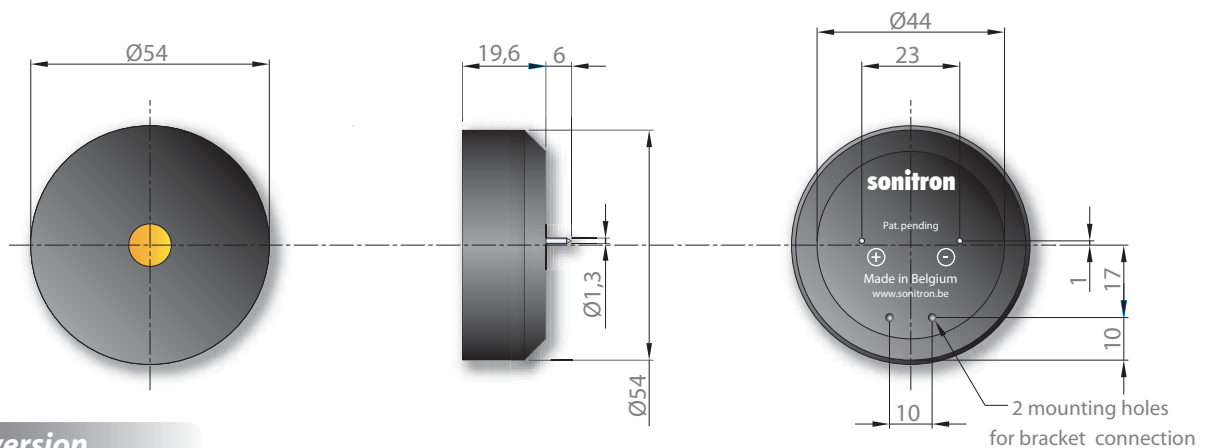
DIMENSIONS SAS-SERIES (all dimensions are in mm)

Dimensions SAS-2155 without mounting bracket

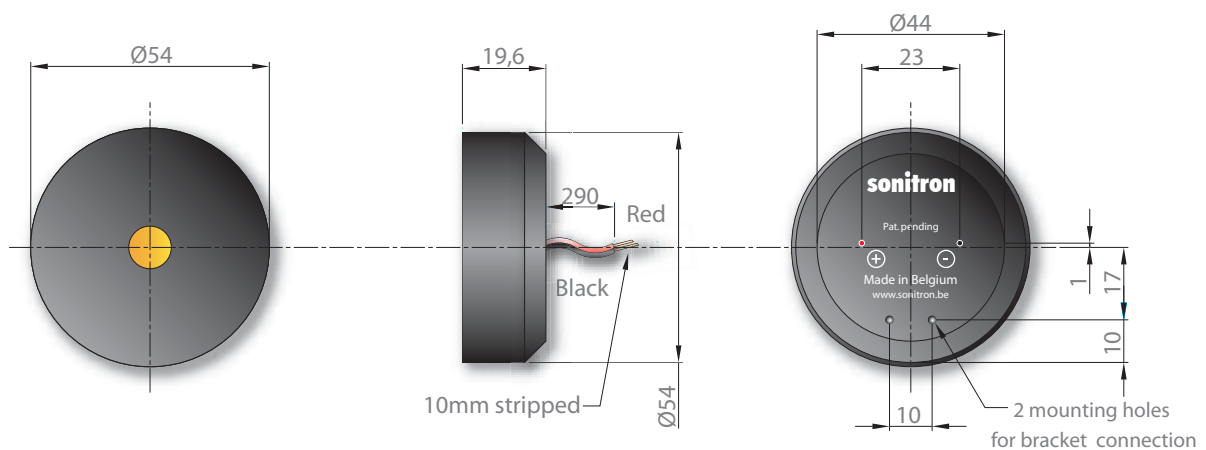
Fast-on version



Pin version



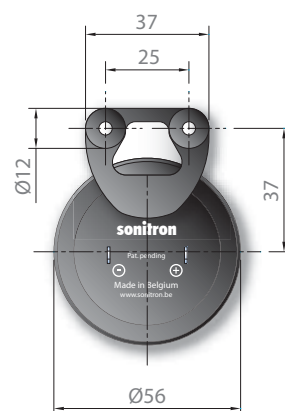
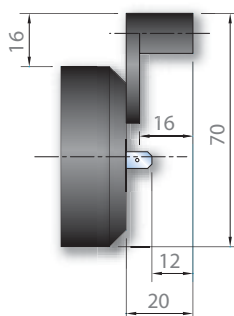
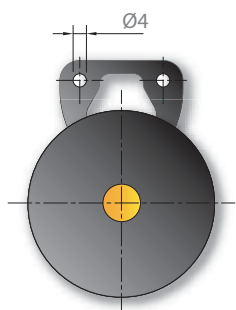
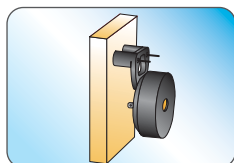
Wire version



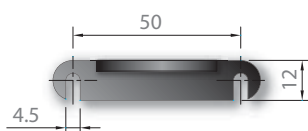
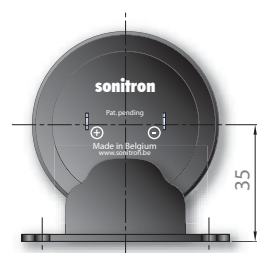
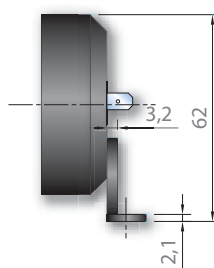
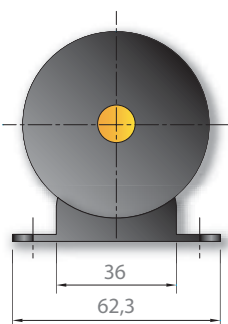
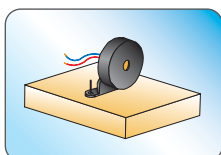
Tolerance: $\pm 0.2\text{mm}$

DIMENSIONS SAS-SERIES (all dimensions are in mm)

1. Dimensions with mounting bracket (MB1)

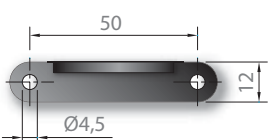
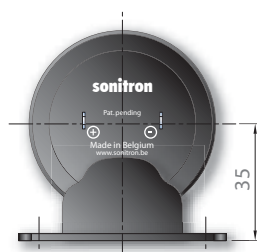
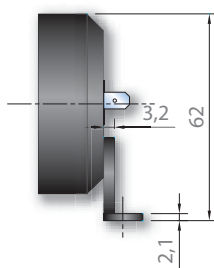
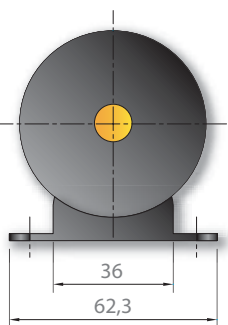
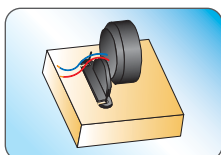


2. Dimensions with mounting bracket (MB2)



grooves version

3. Dimensions with mounting bracket (MB3)



holes version

Tolerance: +/- 0.2mm

PRODUCT CODIFICATION

SAS-2155  Sonitron Alarm Series	S  S: sweep	W P F  W: wire AWG 24 (12cm) P: round pin F: fast-on terminal 4.76mm	MB  Mounting Bracket	1 2 3  1: wall connection 2: flat connection (with grooves) 3: flat connection (with holes)	S  Separate mounting bracket
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LIST OF AVAILABLE PRODUCT TYPES

SAS-2155-S-F-MB1 SAS-2155-S-F-MB2 SAS-2155-S-F-MB3	SAS-2155-S-P-MB1 SAS-2155-S-P-MB2 SAS-2155-S-P-MB3	SAS-2155-S-W-MB1 SAS-2155-S-W-MB2 SAS-2155-S-W-MB3
SAS-2155-S-F-MB1S SAS-2155-S-F-MB2S SAS-2155-S-F-MB3S	SAS-2155-S-P-MB1S SAS-2155-S-P-MB2S SAS-2155-S-P-MB3S	SAS-2155-S-W-MB1S SAS-2155-S-W-MB2S SAS-2155-S-W-MB3S

