

SP27 *Small sized high quality buzzer***CE** *STANDARD SERIES*

The SP27 standard buzzer is a **small sized high quality buzzer** to be used in applications where space is limited. The SP27 covers a wide range of applications, with an extremely high sound output of 94 dB(A) and a max. supply voltage of 16 Vdc.

The Standard series is based on the highest piezo technology and is considered as a robust model for industrial applications. The use of a special shaped membrane (curved edge) fixed and glued into the housing together with the potting material makes this model shock proof, as well as dust and waterproof (IP67).

ADVANTAGES & APPLICATIONS**ADVANTAGES :**

- Small sized: 19mm thickness
- Extremely high SPL
- Solid state shock proof buzzer
- Dust and waterproof, rated to IP 67
- Life time > 2000 hours
- Low power consumption
- Automotive temperature range

APPLICATIONS :

- Critical applications
- Life support systems

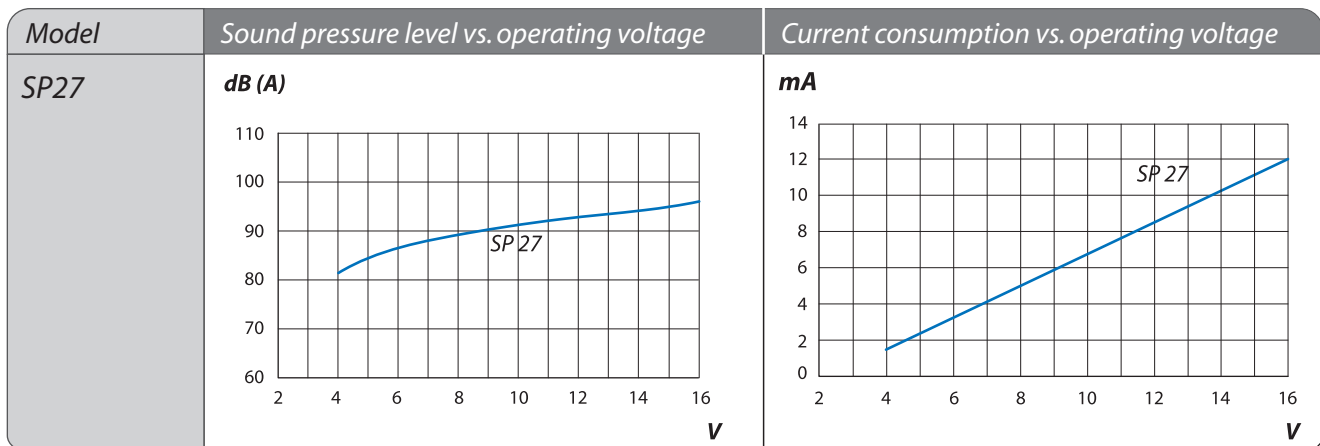
SPECIFICATIONS

Model	Operating Voltage		Frequency(Hz) ($\pm 15\%$)	Operating Current (mA)		SPL (dB(A))*
	min. Vdc	max. Vdc		@ Vdc min.	@ Vdc max.	
SP27	4	16	3500	1.6	12	94

Operating voltage:	4 /16Vdc (NOT reverse voltage protected)
Operating current:	12 mA @ 12Vdc
Frequency:	3.5kHz $\pm 15\%$
Sound pressure level:	94dB (A) @ 12Vdc @ 1m
Tone:	continuous
Life time:	>2000 hours @ 21°C @ 12Vdc (free air) mounted on panel
Terminals:	pins or Fast-on
Operating temperature:	-40°C to +85°C
Storage temperature:	-40°C to +85 °C
Case material:	ABS (UL rating: 94 HB)
Standard color of case:	Black (optional grey)
Weight:	13 g

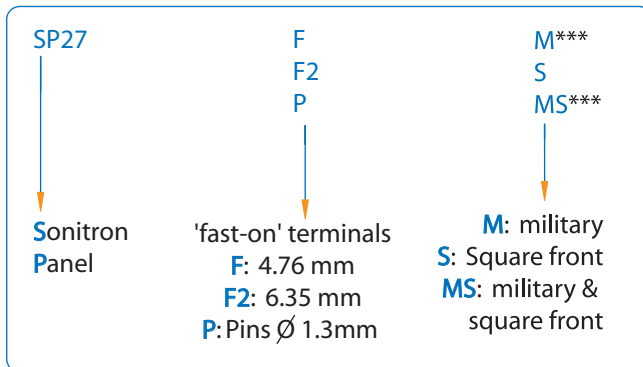
*All measurements are made @ 1 meter in free air @ 21°C @ 12 Vdc. Please note that objects in close proximity of the buzzer, or objects in a room, can cause reflections and thereby increasing or decreasing the SPL.

ELECTRICAL PARAMETERS



All measurements are made @ 1meter in free air @ 21°C.

PRODUCT CODIFICATION

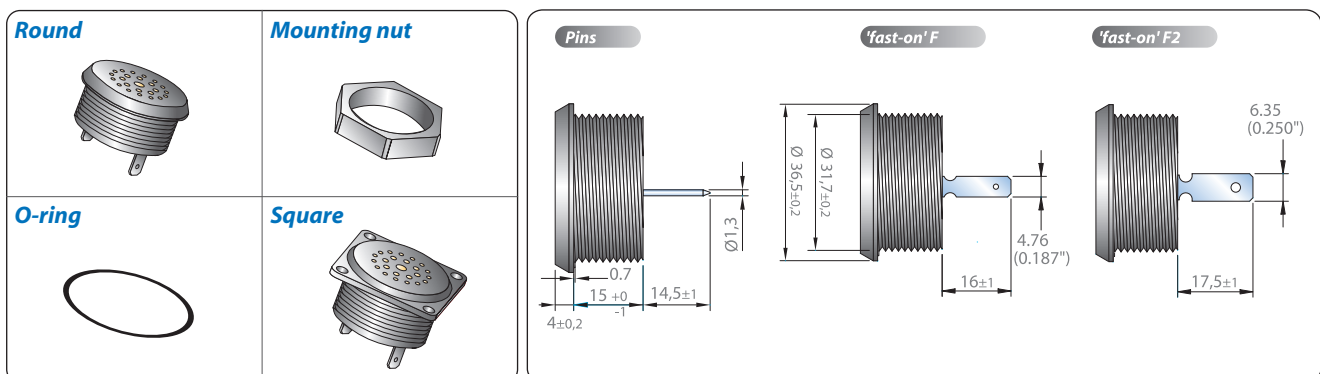


Combinations

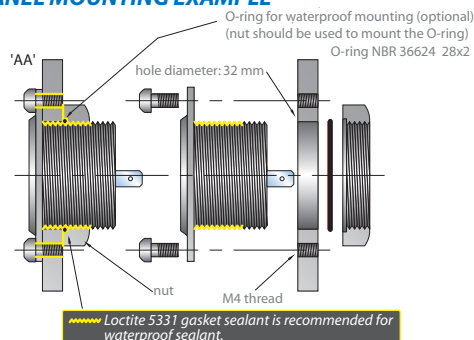
SP27	SP27 S
SP27 F	SP27 F S
SP27 F2	SP27 F2 S
SP27 F M	
SP27 F2 M	
SP27 F M S	
SP27 F2 M S	

DIMENSIONS, OPTIONS, MOUNTING EXAMPLE

(All dimensions are in mm)



PANEL MOUNTING EXAMPLE



ORDER OPTIONS STANDARD SERIES

W100

ACR
(acryl coating)

Gasket
(O-ring)

With 2 wires: length 10cm (instead of pins).

For applications under aggressive humid conditions, Sonitron also deliver a special model in which the piezo element is covered with a protective coating. Add ACR to the part number. The protective coating gives a complementary assurance against smog; all standard models are perfectly waterproof (IP67) without the mentioned coating.

Rubber sealing ring for waterproof assembly.
(standard delivered with SP7)

To order an option add the suffix to the model number of the standard series.