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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

CE

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

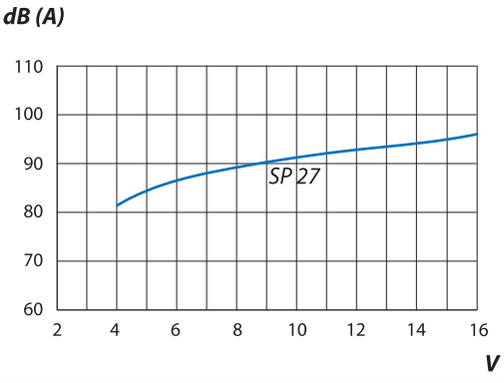
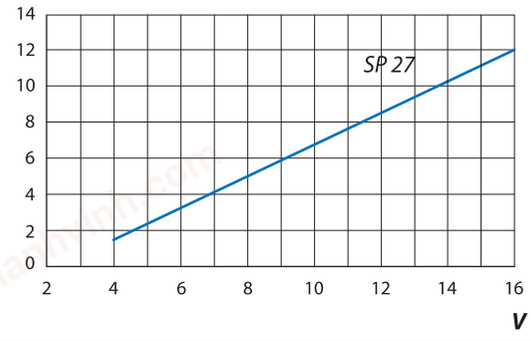
Model	Operating Voltage		Frequency(Hz) (± 15%)	Operating Current (mA)		SPL (dB(A)*
	min. Vdc	max. Vdc		@ Vdc min.	@ Vdc max.	
SP27	4	16	3500	1.6	12	94

Operating voltage:	4 /16Vdc (NOT reverse voltage protected)
Operating current:	12 mA @ 12Vdc
Frequency:	3.5kHz ±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:	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.

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ELECTRICAL PARAMETERS

Model	Sound pressure level vs. operating voltage	Current consumption vs. operating voltage
SP27		

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

PRODUCT CODIFICATION

SP27	F F2 P	M*** S MS***
Sonitron Panel	'fast-on' terminals **F**: 4.76 mm **F2**: 6.35 mm **P**: Pins Ø 1.3mm	**M**: military **S**: Square front **MS**: military & square front

Combinations

SP27
SP27 F
SP27 F2
SP27 S
SP27 F S
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)

Round



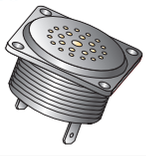
Mounting nut

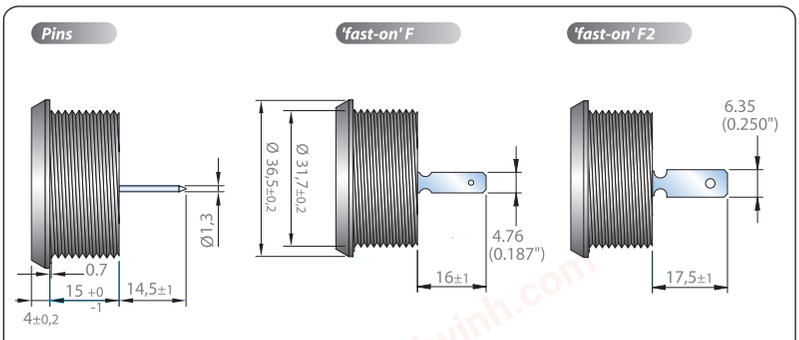


O-ring

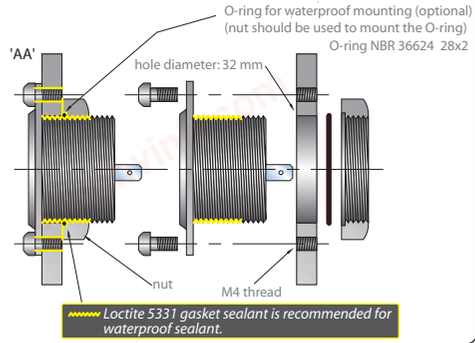


Square





PANEL MOUNTING EXAMPLE



ORDER OPTIONS STANDARD SERIES

W100	With 2 wires: length 10cm (instead of pins).
ACR (acryl coating)	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.
Gasket (O-ring)	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.