

SP7 Under water high quality buzzer

STANDARD SERIES



The SP7 is based on the highest piezo technology and is considered as a robust model for industrial applications. The SP7 uses a special shaped membrane (curved edge), which is fixed and glued into the housing, a guaranteeing shock, dust and waterproof operation.

Recently we developed a standard model of which the front is completely closed. The membrane is therefore isolated from outside pressure, such as water pressure.

These models are already used in very deep under water applications, for instance as a warning signal for divers. The buzzer is sealed with an o'ring on the panel in which it is mounted. More specifications and samples can be delivered on your precise request.

ADVANTAGES & APPLICATIONS

ADVANTAGES :

- Extremely waterproof IP68 / IP69K
- Life time > 2000 hours
- Low power consumption
- Automotive temperature range
- Wide temperature range

APPLICATIONS :

- Extreme depth under water applications
- Life support systems

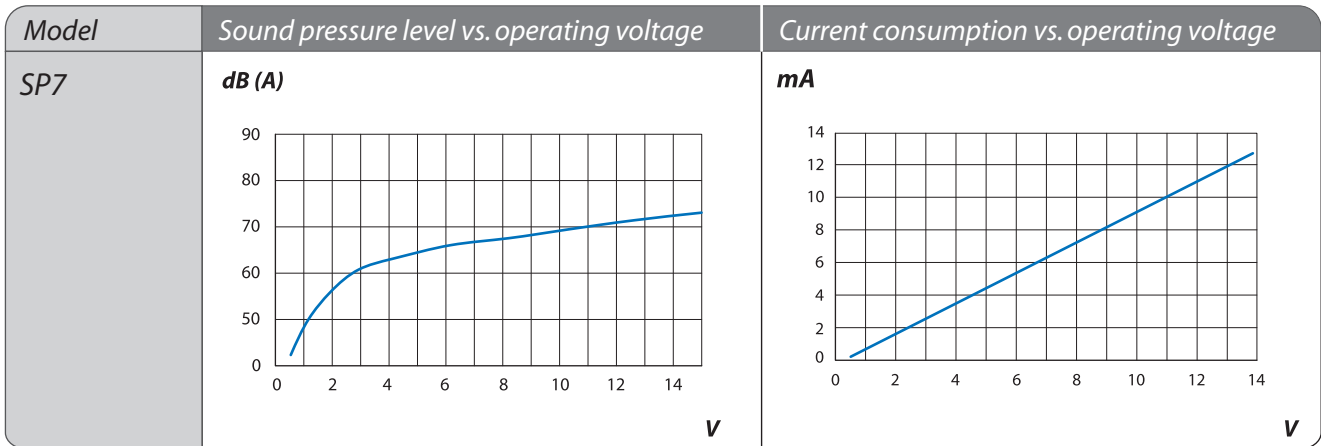
SPECIFICATIONS

Model	Operating Voltage		Frequency(Hz) (± 15%)	Operating Current (mA)		SPL (dB(A))
	min. Vdc	max. Vdc		@ Vdc min.	@ Vdc max.	
SP7	0.7	15	3500	0.3	13.4	71

Operating voltage:	0.7/15Vdc
Operating current:	11mA @12Vdc
Frequency:	3.5kHz ±15%
Sound pressure level:	71dB (A)
Tone:	continuous
Life time:	@12Vdc continuous use min. 2000 hours <small>(expected life time curve in addendum)</small>
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
Weight:	13 g to 24 g

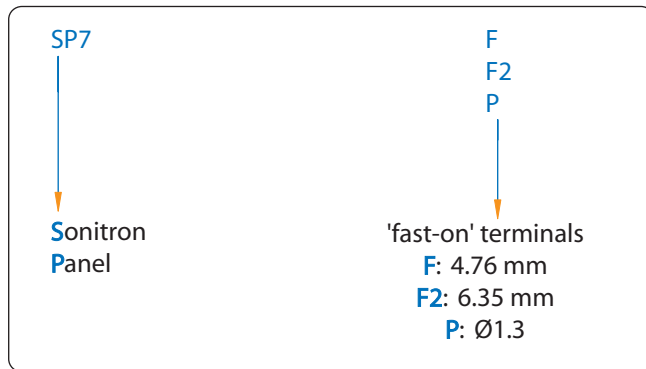
*All measurements are made @ 1 meter in free air @ 21°C @ 12Vdc. Please note that objects in close proximity of the buzzer, or objects in a room, can cause reflections and thereby increasing or decreasing the SPL.

ELECTRICAL PARAMETERS



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

PRODUCT CODIFICATION



Combinations

SP7
 SP7 F
 SP7 F2



DIMENSIONS, OPTIONS, MOUNTING EXAMPLE

(All dimensions are in mm)

