

## SPS-8770-UW



### INTRODUCTION



Based on the in-house expertise in vibration characteristics of piezoceramic material and microacoustics, Sonitron successfully developed the first flat piezoceramic speaker for underwater applications. This speaker is based on a completely new principle of piezoceramics and composite metal/polymer layer. The composite membrane reduces unwanted resonance peaks to provide a

more even frequency response than can be achieved with conventional designs.

### ADVANTAGES & APPLICATIONS

#### ADVANTAGES :

- Light but solid construction
- Easily mountable
- Small dimensions
- IP68: dust tight, totally protected against dust.  
Protected against long periods of immersion under pressure.

#### APPLICATIONS :

- Diving communications
- Swimming pool music
- Instruction in underwater training, and or during surf training
- Warning signals
- Shark alerts
- Boat alarms
- Outdoor applications
- Carwash
- Fridges
- Whirlpools
- Bathroom
- Etc,...

### SPECIFICATIONS

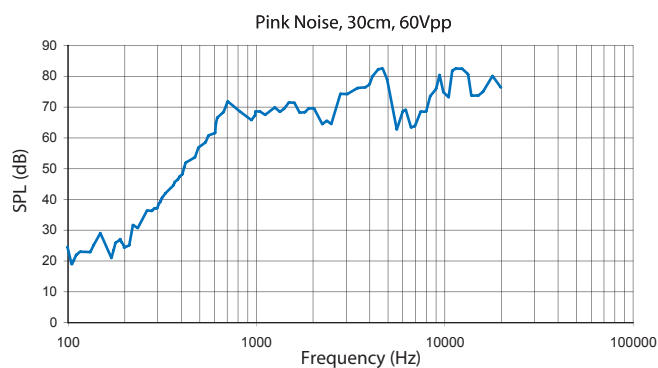
Operating voltage:	5 to 60Vpp
Frequency range:	600 Hz-20 kHz
Max. SPL @1m: (60Vpp input, average @ 4-point)	90 dB
Distortion (%THD): (80dB @ 1m, average @ 4-point)	<3.5%
Terminals:	50 cm cable, other lengths on request
Operating temperature:	-20°C to +70°C
Storage temperature:	-40°C to +85 °C
Case material:	ABS (UL rating: 94 HB)
Case color:	blue
Weight:	42g
Capacitance (±20%):	660nF
Impedance @1kHz (±20%):	220 ohm



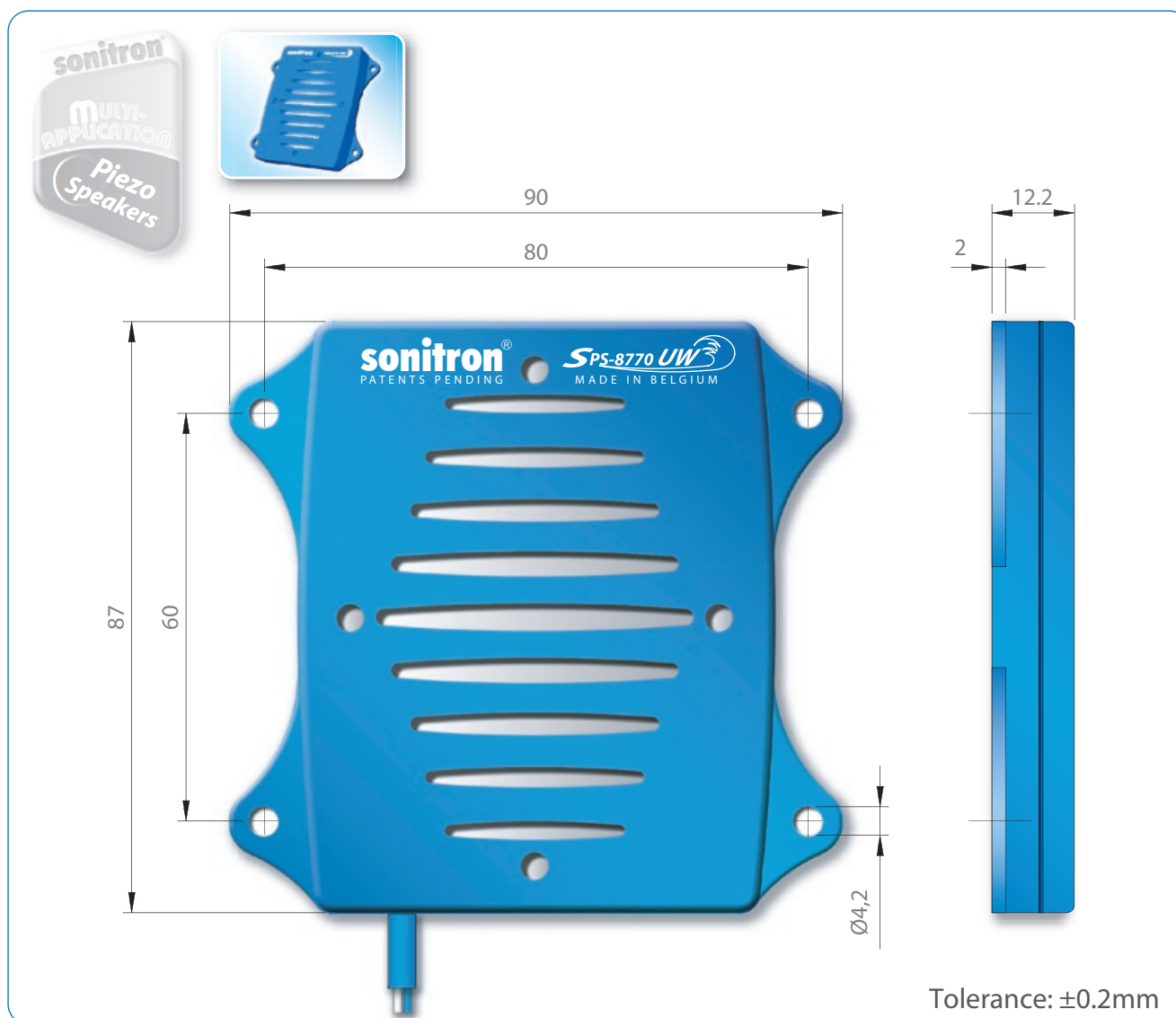
## FREQUENCY RESPONSE

Model	Frequency response curve
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SPS-8770-UW



## DIMENSIONS (All dimensions are in mm)



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