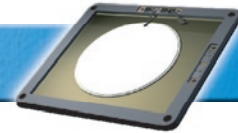


## SPS-4640-03



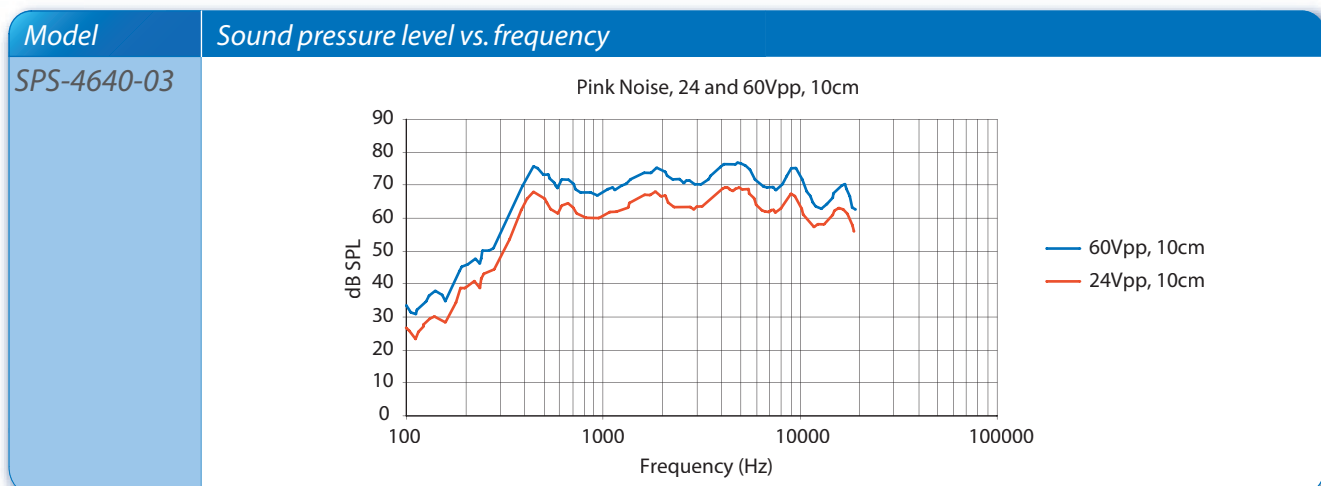
The electronics industry still is a very demanding industry which requires more and more flat and small components. Therefore Sonitron developed this new flat piezoceramic speaker. With a thickness of only 2 mm and dimensions of 43.6x50 mm this small multifunctional speaker/microphone is ideal for use in portable electronic devices (PDA, GPS, MP3,...), notebooks and consumer products.

## SPECIFICATIONS

Frequency Range :	400 Hz - 20 kHz	
Max SPL @ 1 m, 60 Vpp: (average @ 4-point)	83 dB	
Distortion (%THD): (80dB @ 5 cm, average @ 4-point)	≤1.5%	
Sensitivity: (SPL @ 10cm for 1Vrms, average @ 4-point : 800Hz, 1kHz, 1.5kHz, 2kHz)	72 dB	
Capacitance (+/- 20%):	225 nF	
Impedance @ 1kHz (+/-20%):	680 ohm	
Operating Voltage:	5-60 Vpp	
Weight:	2.8g	
Operating Temperature:	-20°C to 60°C	
Storage Temperature:	-40°C to 60°C	
Case material:	PBT	
Standard color:	Black	

speaker mounted in closed box of 40 x 15 x 5cm

## FREQUENCY RESPONSE



**DIMENSIONS** (all dimensions are in mm)

**SPS-4640-03**

