

SPECIFICATIONS

All three multi-frequency buzzers have several peak frequencies, either producing alerting tones at high frequencies or soft signals at low frequencies down to 100 Hz (see the typical application description). The diversity in use of the three models is limited only by your imagination. The current consumption is extremely low and starts @ only 100 μ A with a maximum of 4.8 mA @ maximum 15 Vdc.

Model	SPL (dB(A))	Frequency ($\pm 15\%$ Hz)	Peak frequencies SPL **	Operating voltage (Vdc)	*Operating current (mA)	Weight (g)
SMB-17CC	See graph	See graph	2250 Hz-79 dB(A) 1670 Hz-71 dB(A) 785 Hz-69 dB(A) 325 Hz-64 dB(A)	1.5 to 15	0.2 to 1.4	2
SMB-32CC	See graph	See graph	2250 Hz-76 dB(A) 1260 Hz-89 dB(A) 785 Hz-68 dB(A) 325 Hz-66 dB(A)	1.5 to 15	0.2 to 2.7	8

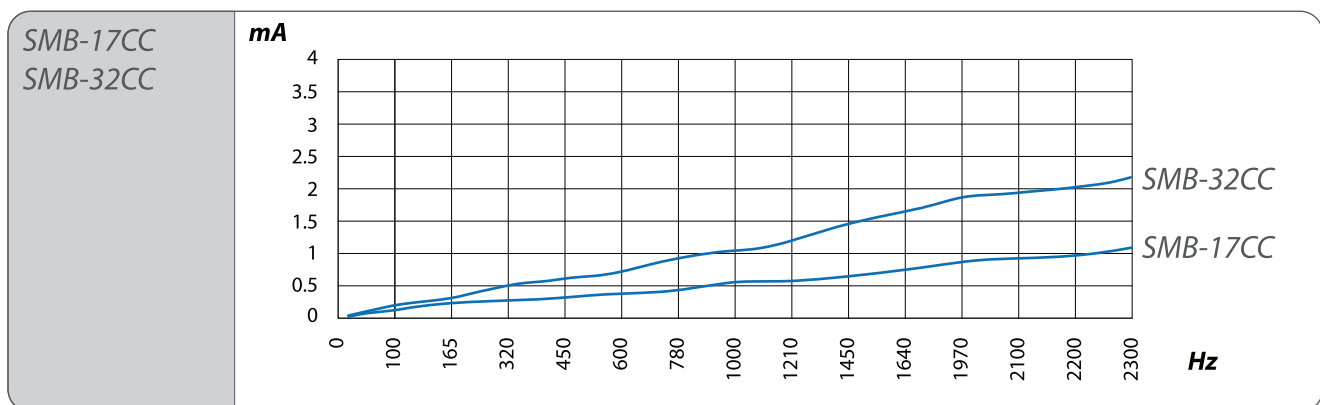
Operating temperature	-40°C to +85°C
Storage temperature	-40°C to +85°C
Life time (@ 21°C)	See life time cycle in addendum
Case material	PBT (UL rating: 94 HB) for pin-versions PPS (UL rating: 94 V0/5V) for SMD-versions
Standard colour of case	Black

* The current consumption decreases when the frequency is lowered. See graph 'Current consumption vs. Frequency'.

** The given sound pressure values are measured @ 12 Vdc @ 30 cm distance in free air and have an accuracy of $\pm 15\%$. Default factory setting of the SMB models: continuous tone

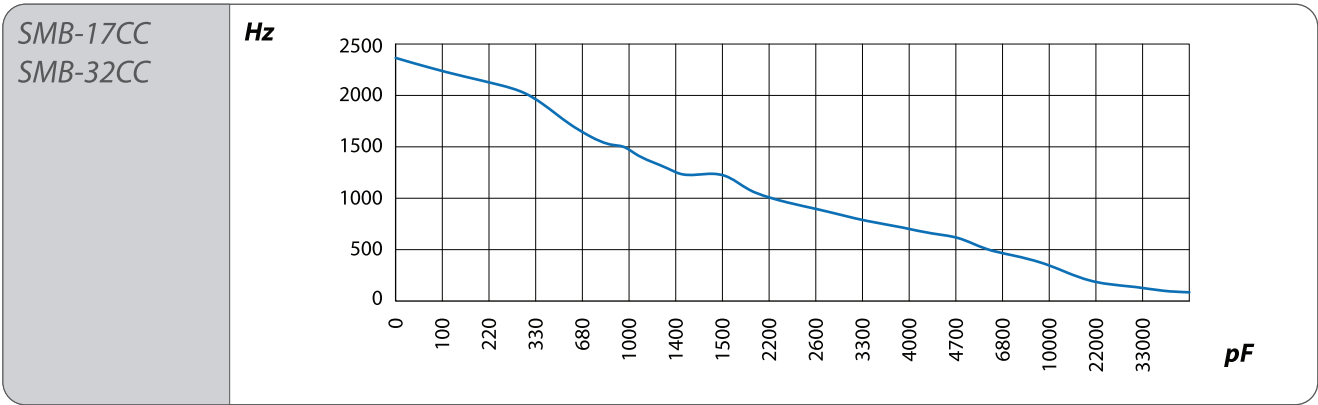
ELECTRICAL PARAMETERS

Current consumption vs. frequency

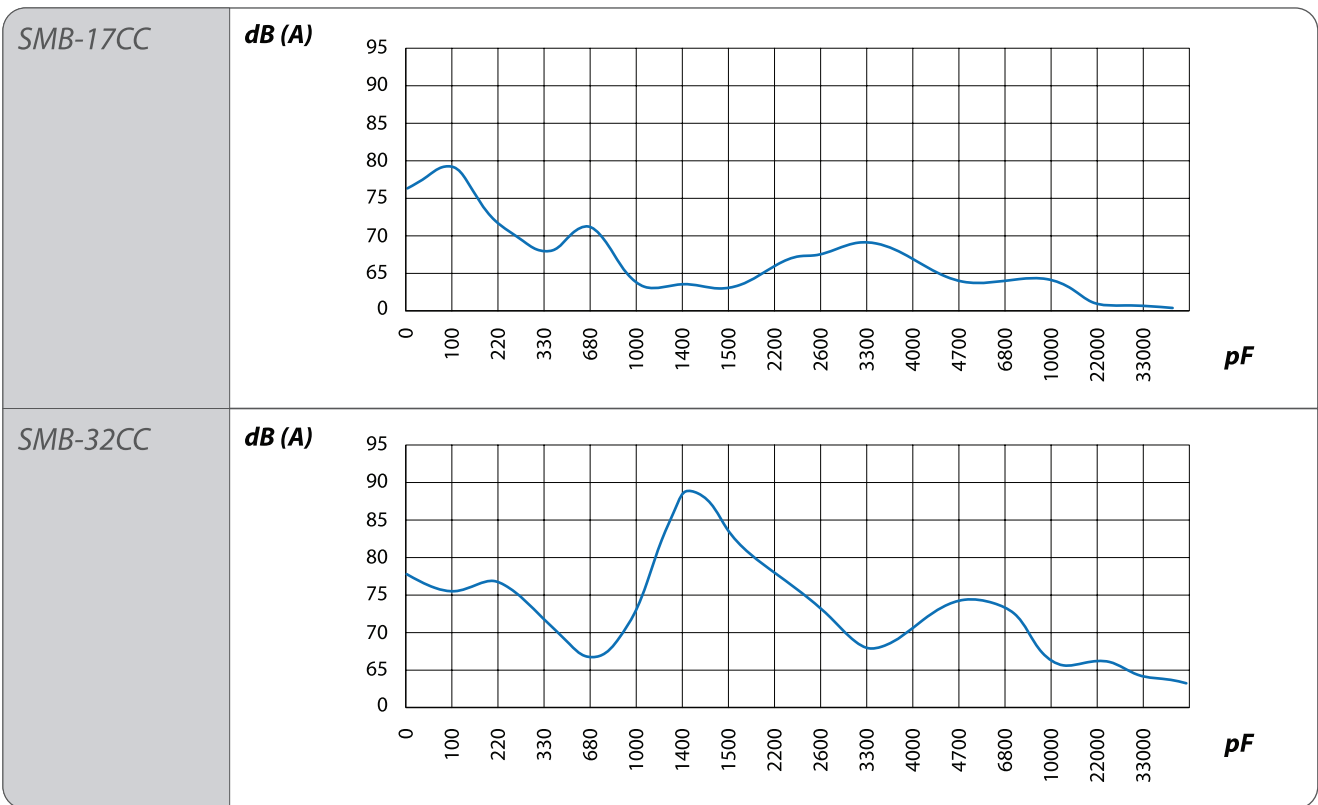


All measurements are made in free air @ 21°C @ 30 cm @ 12 Vdc.

Frequency vs. external capacitor (c)



Sound pressure level vs. external capacitor (c)

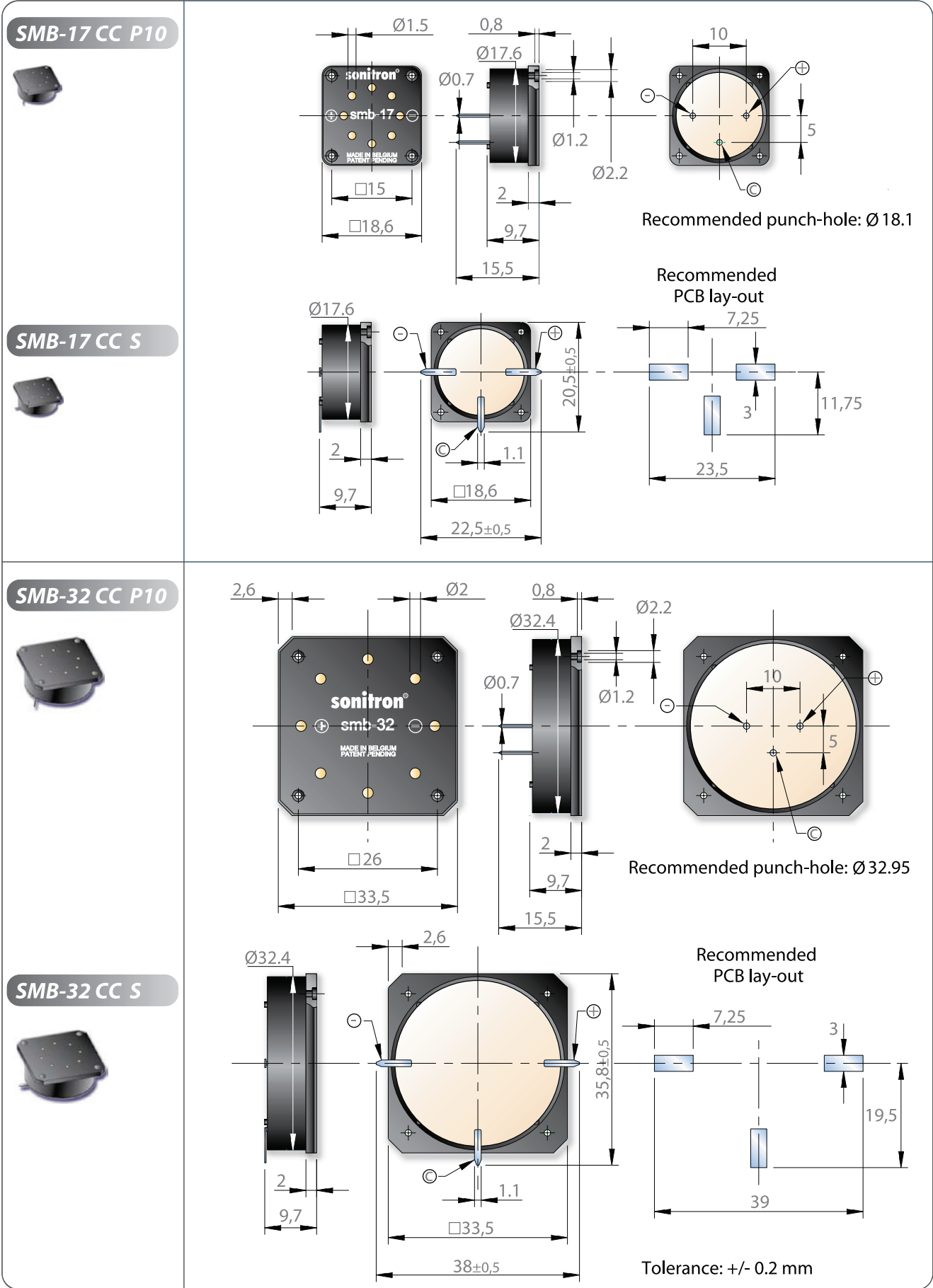


All measurements are made in free air @ 21°C @ 30 cm @ 12 Vdc.

PRODUCT OPTIONS

Option Code	example	Description
FP13	SMB-17CC-P10-FP	Acoustic stabilization Foam Patch, easy to stick. For: SMB-17CC-P10
FP24	MB-32CC-S-FP	Acoustic stabilization Foam Patch, easy to stick. For: SMB-32CC-P10 SMB-32CC-S

DIMENSIONS (All dimensions are in mm)



PRODUCT CODIFICATION

<p>SMB</p> <p>↓</p> <p>Sonitron Multi-Frequency Buzzer</p>	<p>17 32</p> <p>↓</p> <p>Square diameter (mm)</p>	<p>C</p> <p>↓</p> <p>C-MOS</p>	<p>C</p> <p>↓</p> <p>Control pin</p>	<p>P10 S</p> <p>↓</p> <p>P: Pin distance (in mm) S: SMD terminals</p>
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LIST OF AVAILABLE PRODUCT TYPES

<p>SMB-17CC P10 SMB-17CC S</p>	<p>SMB-32CC P10 SMB-32CC S</p>
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PACKAGING

All multi-frequency buzzers with through hole pins, are packed on a polystyrene board (245 L x 245 W) and sold in boxes with dimensions of 250 L x 250 W x 125 H.

Number	SMB-17CC P10	SMB-32CC P10
per board	100	49
per box	(5x100) 500	(5x49) 245

All SMD models are packed in trays (245 L x 245 W) and sold in boxes with dimensions of 250 L x 250 W x 125 H.

Number	SMB-17CC S	SMB-32CC S
per tray	49	25
per box	(8x49) 392	(6x25) 150

Dimensions of the tray and position of the SMD components of the models SMB-17CC S and SMB-32CC S are illustrated below:

