



solutions catalogue

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2013
2014





SONITRON, based in Belgium, has become the European leader in piezo-ceramic acoustic components with over 30 years experience and several patents. With an extensive know-how Sonitron produces a wide range of high quality and reliable products from the smallest and most cost effective buzzers to the most highly sophisticated components.

SONITRON, se sídlem v Belgii, se stal evropskou jedničkou v produkci piezo-keramických akustických prvků. Sonitron má více než 30 let zkušeností v této oblasti a několik patentů. S rozsáhlým know-how Sonitron vyrábí širokou škálu vysoko kvalitních a spolehlivých produktů od nejmenších a cenově nejvýhodnějších bzučáků po nejvíce sofistikované komponenty.

SONITRON mit Sitz in Belgien wurde zum europaweit führenden Unternehmen in der Herstellung von piezokeramischen akustischen Komponenten. Sonitron verfügt über mehr als 30 Jahre Erfahrung in diesem Bereich und ist Inhaber einiger Patente. Mit umfangreichem Know-how produziert Sonitron eine breite Palette hochqualitativer und zuverlässiger Produkte angefangen bei kleinsten und kostengünstigsten Summern bis hin zu den anspruchsvollsten Bauteilen.

A belgumi SONITRON piezo-kerámias akusztikai alkatrészek területén több mint 30 éves tapasztalatával és számos szabadalmával Európában vezető szereppel rendelkezik. Széleskörű tudásbázisával a Sonitron kiváló minőségű és megbízható termékek széles skálájával rendelkezik a legkisebb és legköltséghatékonyabb zúmmerekktől a legkifinomultabb alkatrészekig.

SONITRON, z siedzibą w Belgii, stał się europejskim liderem w produkcji akustycznych elementów piezokeramicznych, z ponad 30-letnimi doświadczeniami i kilkoma patentami. Z bogatym know-how Sonitron produkuje szeroki zakres niezawodnych produktów wysokiej jakości, od najmniejszych i najtańszych brzęczeków, po najbardziej sofistykowane elementy.

SONITRON, cu sediul în Belgie, a devenit un lider european în componentă piezokeramice acustice, având peste 30 de ani de experiență și un număr considerabil de brevete. Datorită cunoștințelor sale tehnice dezvoltate, Sonitron produce o gamă variată de produse fiabile de înaltă calitate de la buzare rentabile și de mici dimensiuni la cele mai sofisticate componente.

SONITRON, so sídlom v Belgicku, sa stal európskou jednotkou v produkci piezo-keramických akustických prvkov. Sonitron má viac ako 30 rokov skúseností v tejto oblasti a niekoľko patentov. S rozsiahlym know-how Sonitron vyrába širokú škálu vysoko kvalitných a spofahľivých produktov od najmenších a cenovo najvýhodnejších bzučiakov po najviac sofistikované komponenty.

In Sonitron portfolio we can find buzzers, transducers, piezoceramic speakers and amplifiers, as well as alarms and sirens. Sonitron products meet the needs of many different applications, such as industrial, consumer and military applications. Furthermore Sonitron is the prime source for the NATO alarms.

Why SONITRON?



- top quality piezoceramic acoustic components
- EU made products – in Belgium
- very good price/performance ratio



Buzzers and Transducers

- STANDARD - Series
- SMA - Series
- SMAT - Series
- SMB - Series

Alarms and Sirens

- SAP Series
- SAS Series
- SMAC Series
- SXL Series

Piezoceramic Speakers Piezo Audio Amplifiers

- SCS - Series
- SPS - Series
- PAA - Series



Also available

PRODUCT
MOVIE

3D
MODELS

web search keywords:

sonitron • piezo • siren • transducer • sonitron buzzer

Buzzers and Transducers

They have unlimited applications, and are panel and PCB mountable. The standard series operate in harsh weather conditions and are waterproof, shockproof and gasproof. They are very reliable in critical applications. The SMA series are low cost commercial grade components PCB mountable, available in buzzer and transducer version. Top quality materials and elaborated working principals guarantees high quality products at economic cost.

STANDARD SERIES >



SMA-SERIES >



SMAT-SERIES >



SMB-SERIES >



Dimensions overview (in mm)

Round $\varnothing \times H$
 $\varnothing 36.5 \times 26$

Square $\square \times H$
 $\square 38 \times 26$

SMA-13 $\varnothing 14 \times 6.5$
SMA-17 $\varnothing 17.5 \times 8.5$
SMA-21 $\varnothing 21 \times 9.5$
SMA-24 $\varnothing 24 \times 15.5$
SMA-30 $\varnothing 30 \times 10.5$

SMAT-13 $\varnothing 14 \times 6.5$
SMAT-17 $\varnothing 17.5 \times 8.5$
SMAT-21 $\varnothing 21 \times 9.5$
SMAT-24 $\varnothing 24 \times 15.5$
SMAT-30 $\varnothing 30 \times 10.5$

SMB-17 $\varnothing 18.6 \times 9.7$
SMB-32 $\varnothing 33.5 \times 9.7$

Alarms and Sirens

A range of waterproof and IP67 rating sirens and alarms generates an acoustic warning signal in critical environmental situations. They are especially designed to function from -40°C to +80°C offering an high life time in continuous operation. A new series of automotive car horns are available for advanced applications.

SAP-SERIES SAP-1302-C



Dimensions overview (in mm)

$\varnothing \times H$
 118.5×89
 $\times 34.5$

SAS-SERIES SAS-2155



SMAC-SERIES >



STANDARD XL SERIES >



SDS-SERIES >



Dimensions overview (in mm)

$\varnothing \times H$
 54×19.6

SMAC-25 $\varnothing 26.5 \times 18$

SMACI-25 $\varnothing 26.5 \times 18$

SXLC 515 C

SXLI 515 C1

SXLW 515 C

SXLP 515 C

Speakers and Amplifiers

These brand new flat piezo speakers and amplifiers are low weight, solid-state, low distortion with extremely small current drain. This new generation of piezo speakers can be driven by several audio amplifiers recently introduced on the integrated circuits market.

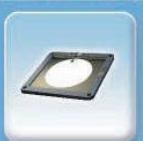
SCS-SERIES >



Dimensions overview (in mm)

$\square \times H$
SCS-17 $\square 18.6 \times 9.7$
SCS-24 $\square 25 \times 9.7$
SCS-32 $\square 33.5 \times 9.7$

SPS-SERIES >



SPS-2220-03
 $20 \times 22 \times 1$



SPS-3530-03
 $43.5 \times 39 \times 2$



SPS-4640-03
 $50 \times 43.6 \times 2$



SPS-6555-03
 $65 \times 55 \times 2$



SPS-8770-03
 $87 \times 70 \times 2$

AMPLIFIERS >

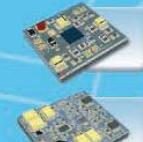
PAA-SERIES >



PAA-MAX9788-01
 14×16.5



PAA-LM4960SQ-02
 25×25



PAA-StepUpBTL-01
 40×35



Buzzers SC

The standard series are considered as most robust series for industrial applications. The standard buzzers use a special shaped membrane (curved edge), which is fixed and glued into the housing. They are shock proof, as well as dust and waterproof (IP67).



Buzzers SMA, SMAT

The SMA buzzers have a built-in oscillator generating their working frequency. They produce a highly reliable tone signal giving either an extremely clear and penetrating tone or a soft sound for non-aggressive signals. The SMAT transducers do not have a built-in oscillator.



Transducers SMB

The SMB-series (multi-frequency buzzers) offer the possibility to program several different frequencies. The choice of the frequencies is simply done by changing the capacitor value in a C-MOS driven circuit.



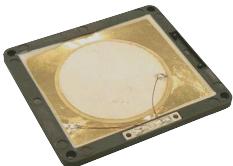
Transducers SMAC

Very high reliability in the most difficult circumstances, such as extreme and varying temperatures, vibrations, shocks, dust conditions, humid environment, etc.



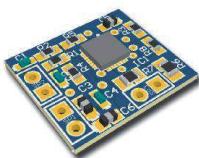
Piezoceramic Speakers SCS

Good sound quality guarantees a clear reproduction of multiple tones, speech and music. These loudspeakers are extremely reliable, have a robust design and can be used in difficult environmental conditions and applications.



Piezoceramic Speakers SPS

The polymer/metal speakers are released for applications such as mobile phone, PDA, car audio, instrumentation, portable devices... The extremely flat frequency characteristic gives an excellent audio experience.



Piezo Amplifiers PAA

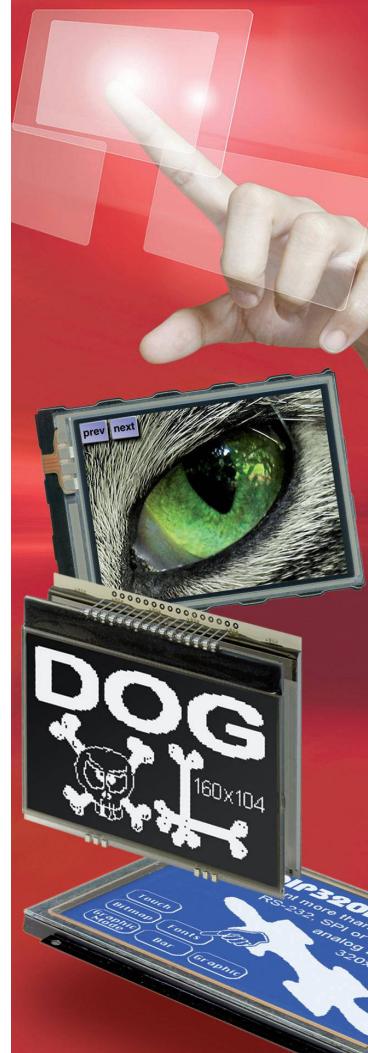
To drive these piezo speakers Sonitron also has developed a complete range of piezo audio amplifiers to increase the audio voltage.



Sirens SAS

The Sonitron SAS-series exists of loud, small and low weight piezoceramic and electromagnetic models. The different models are developed for use in fire alarms, ambulance sirens, security devices etc.

DISPLAYS AND TOUCH-DISPLAYS



- Intelligent Displays
- TFT-Displays
- Chip-on-Glass Displays
- RS 232/SPI/I²C
- USB Starterkits

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