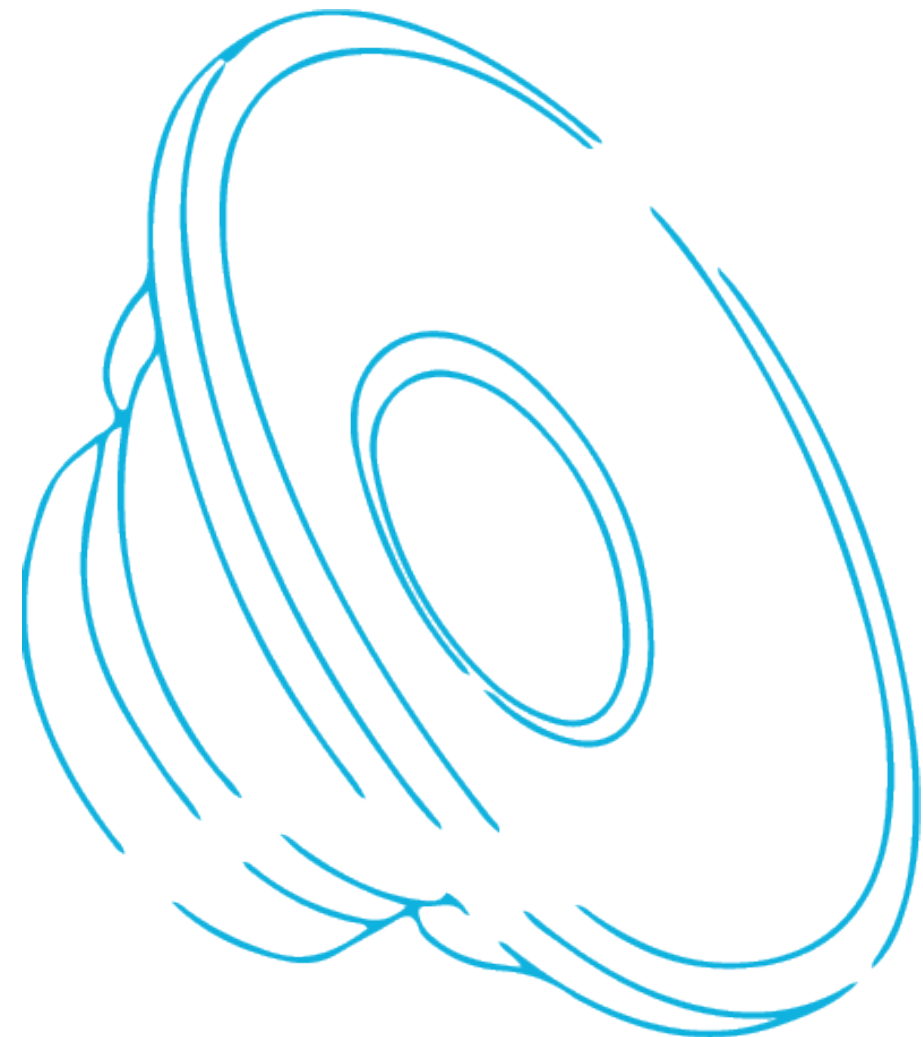
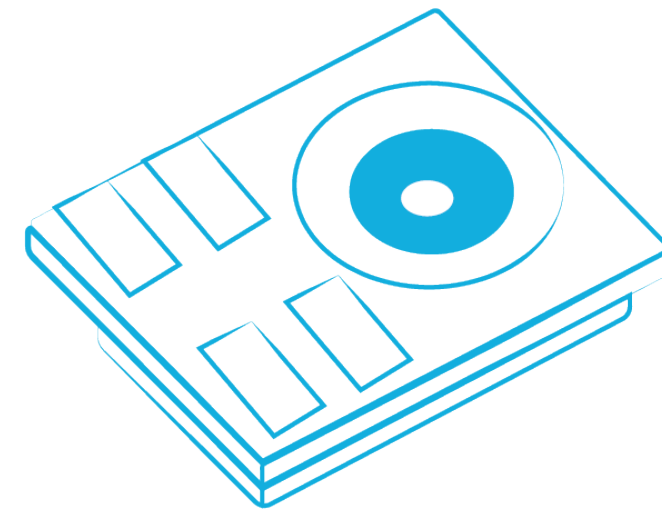
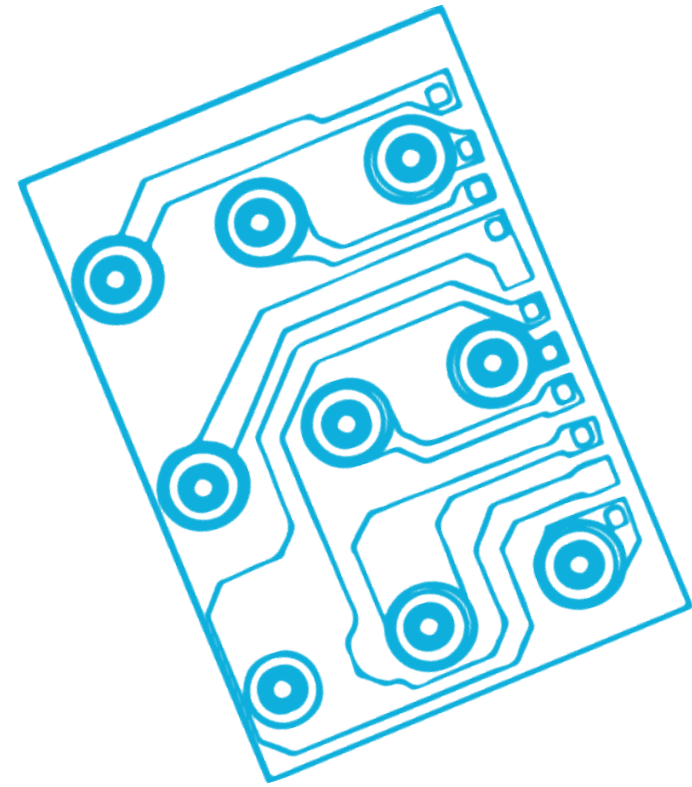
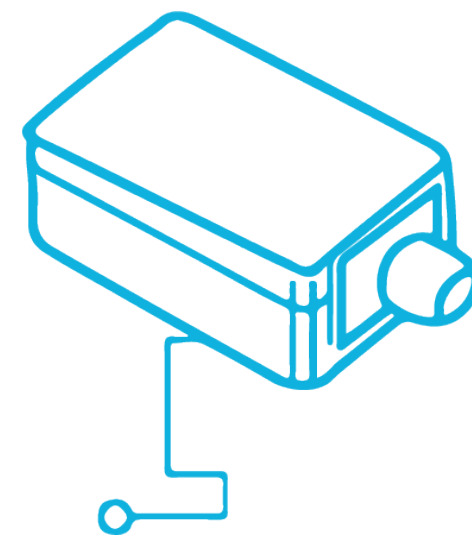
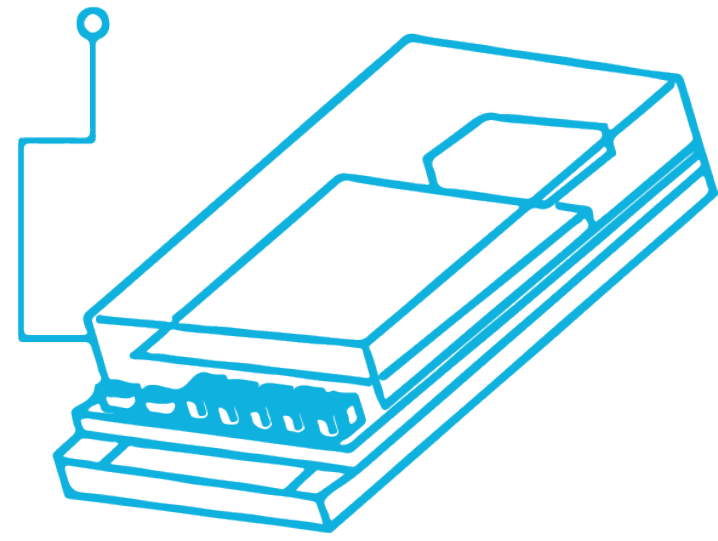




SELTECH

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AGENDA

01

STANDARD PORTFOLIO

Dynamic receivers, Micro-size speakers, Loudspeakers, ECMs, Buzzers, Add-ons

02

NEW PRODUCT INTRODUCTION

Design, Component, Development, Industrial tools

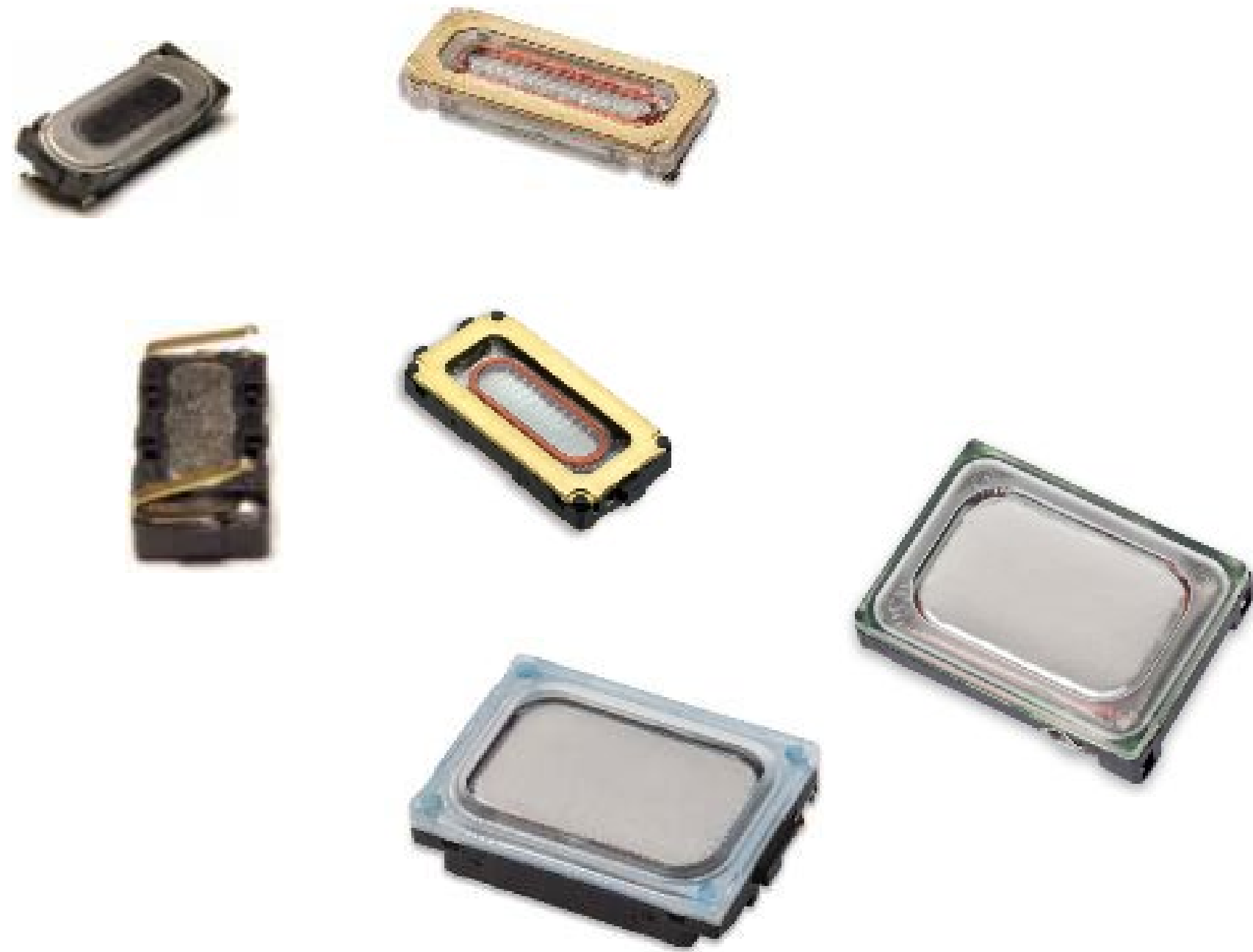
01

STANDARD PORTFOLIO

Dynamic receivers, Micro-size speakers, Loudspeakers, ECMs, Buzzers, Add-ons



MICRO-SIZE SPEAKERS & RECEIVERS



- Speakers from 5mm
- Thin form factor, Rectangular, Oval, Round, Square
- **Waterproof**, Customized speakers
- Many options : solder pads, springs, cables & connectors, mesh, double adhesive, gasket ...
- Outstanding **sound performance** vs **size ratio**
- For a loud clear sound at your fingertips
- Vibrant sound impressions for all mobile/tiny applications
- Optional Hearing Aid Compatibility receiver (HAC)



DYNAMIC MICRO-SIZE SPEAKER HIGHLIGHTS



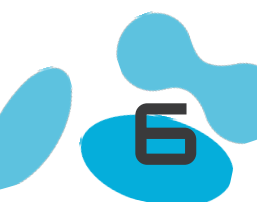
Reference	Dimensions [mm]	Rated power [W]	Sensitivity @ 1W/1m [dB SPL]	Fo[Hz]
TR1205So30YN8 <i>IPx8</i>	12x5,5x2,83	0,3	73,2	1400
GR1407So30YN8WP <i>5ATM</i>	13.6x6.6x3.0	0,5	68	950
CS13Mo4YO8 <i>SMT</i>	13x13x4	0,7	69,5	1100
CC13Wo3BN8	13x3,3	0,3	70	1300
CR1511Lo35UN8GDA <i>w/ gasket + double adhesive</i>	15x11x4,99	0,7	69,5	850
BR1511Lo35UN6-WP <i>IPx7</i>	15x11x3,5	1	72,5	900
CR1508Lo27YN6WP <i>IPx7</i>	15x8x3,19	0,7	67	900
CR1609So30BN8	16x9x3	0,5	70	950
CR1813Lo25UN8-2 <i>High SPL</i>	18x13x2,5	0,7	75,5	800
CR3411So40BN4	34x11x4	2	76	500



LOUDSPEAKERS



- Speakers from 13 up to 103 mm
- Flat, Rectangular, Oval, Round, Square
- **Wideband**, Waterproof, Customized speakers
- Many options : solder pads/tags, springs, cables & connectors, mesh, double adhesive, gasket ...
- **Voice** and **music**
- Innovative sound experiences

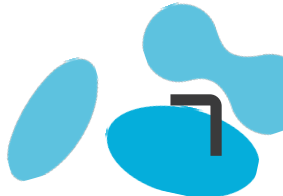




LARGER SPEAKER HIGHLIGHTS



Reference	Dimensions [mm]	Rated power [W]	Sensitivity @ 1W/1m [dB SPL]	Fo [Hz]
SODoo9o2Y8LCBB1	23x4,1	0,2	76	550
CC26So4BN8G <i>High power</i>	26x4,6	1	78	600
WD119o3Y8H-WPDAP <i>IPx7, Automotive</i>	28x6	0,5	86	700
SOC4oWo5BN25G-2	40x5,2	0,3	84	390
SOC5oCo7Y5o <i>Large band</i>	50x7,9	0,5	82	300
SOC36So5B8-1	36x5,8	1	78	380
SOC4oC18oDN4 <i>Low THD</i>	40x20	2	75	160
SOC5oC24D8G-4	50x24,8	2	80,5	180
SOC5oCo7Y5o <i>Large brand</i>	50x7,9	0,5	82	300
NC52W33DF8 <i>Very linear</i>	52x33	3	79	160
TS68S36DN4F	68,3x68,3x41,4	10	82	100



ECM MICROPHONES



- Size : from Ø2.5 to 10mm
- Directivity : Omni/Uni/Bi-directional (Noise-Cancelling)
- Connections : Pins, Solder pad, Wire, Wire & connector, SMD (reflow compatible) ...
- With or without integrated capacitors (10pF/33pF)



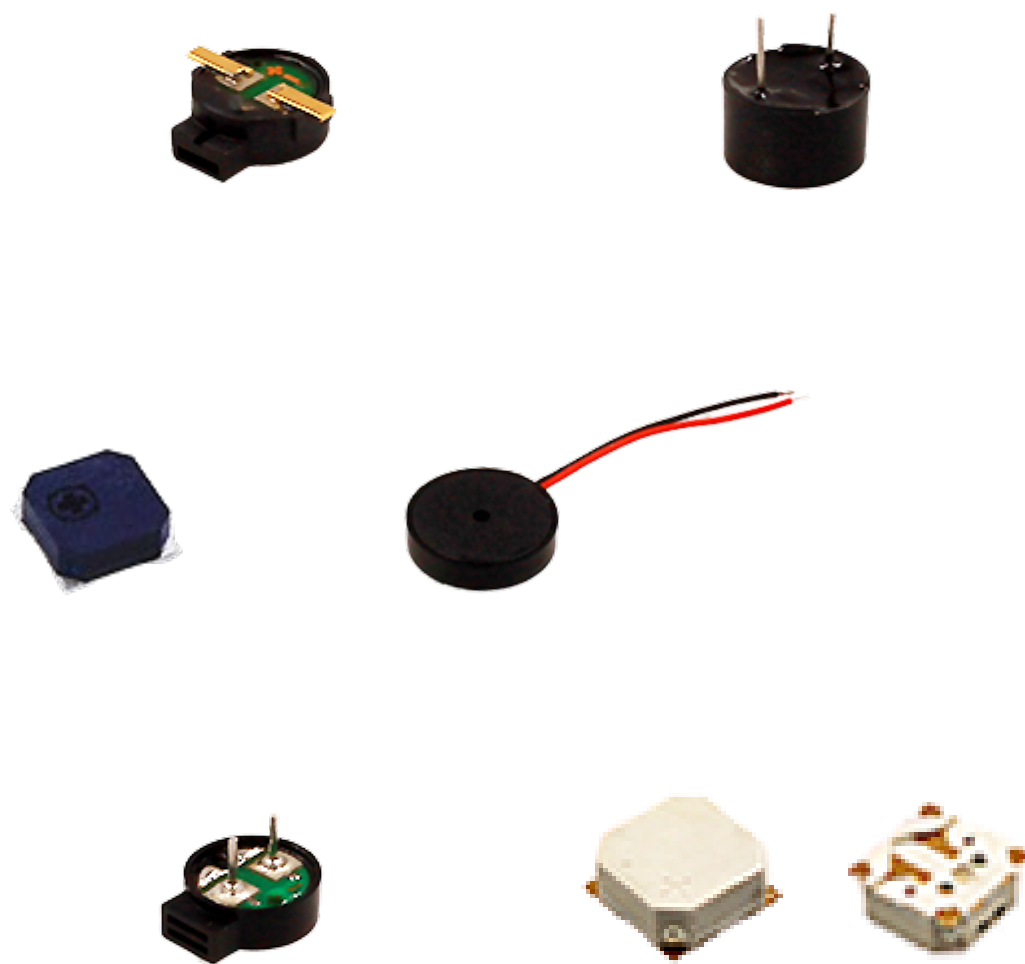


ECM MICROPHONE HIGHLIGHTS



Reference	Dimensions [mm] (Ø x t)	Mic Directivity	Impedance [Ω]	Nominal Voltage [V]	Sensitivity @ 1kHz [dBV re. 1V/Pa]	Connection
MEO4013MH443RC	4x1,3	Omnidir	2200	2	-44	SMD Reflow
MEO4015S-423C1033-2	4x1,5	Omnidir	2200	2	-42	SolderPad
MEO4015S-403C1033H	4x1,5	Omnidir	2200	2	-40	SolderPad
MEU4022S-443RC	4x2,2	Unidir	2200	2	-44	SolderPad
MEO6022P28383C1033	6x2,2	Omnidir	2200	2	-38	Pin
MEO6022W100423C1033	6x2,2	Omnidir	2200	2	-42	Twisted Cable
MEO6027C85382C1033A	6x2,7	Omnidir	2200	2	-38	Cable+Conn
MEO6027S363C1033H	6x2,7	Omnidir	2200	2	-36	SolderPad
MEU1045S373C1033H	10x4,5	Unidir	2000	3	-37	SolderPad

BUZZERS & ULTRASONIC TRANSDUCERS



- Size : from Ø4mm to mm
- Type : Active/Passive,
- Technology : Piezo/Magnetic
- Connections : Pins, Solder pad, SMD (reflow compatible) ...
- High performance at centered frequency

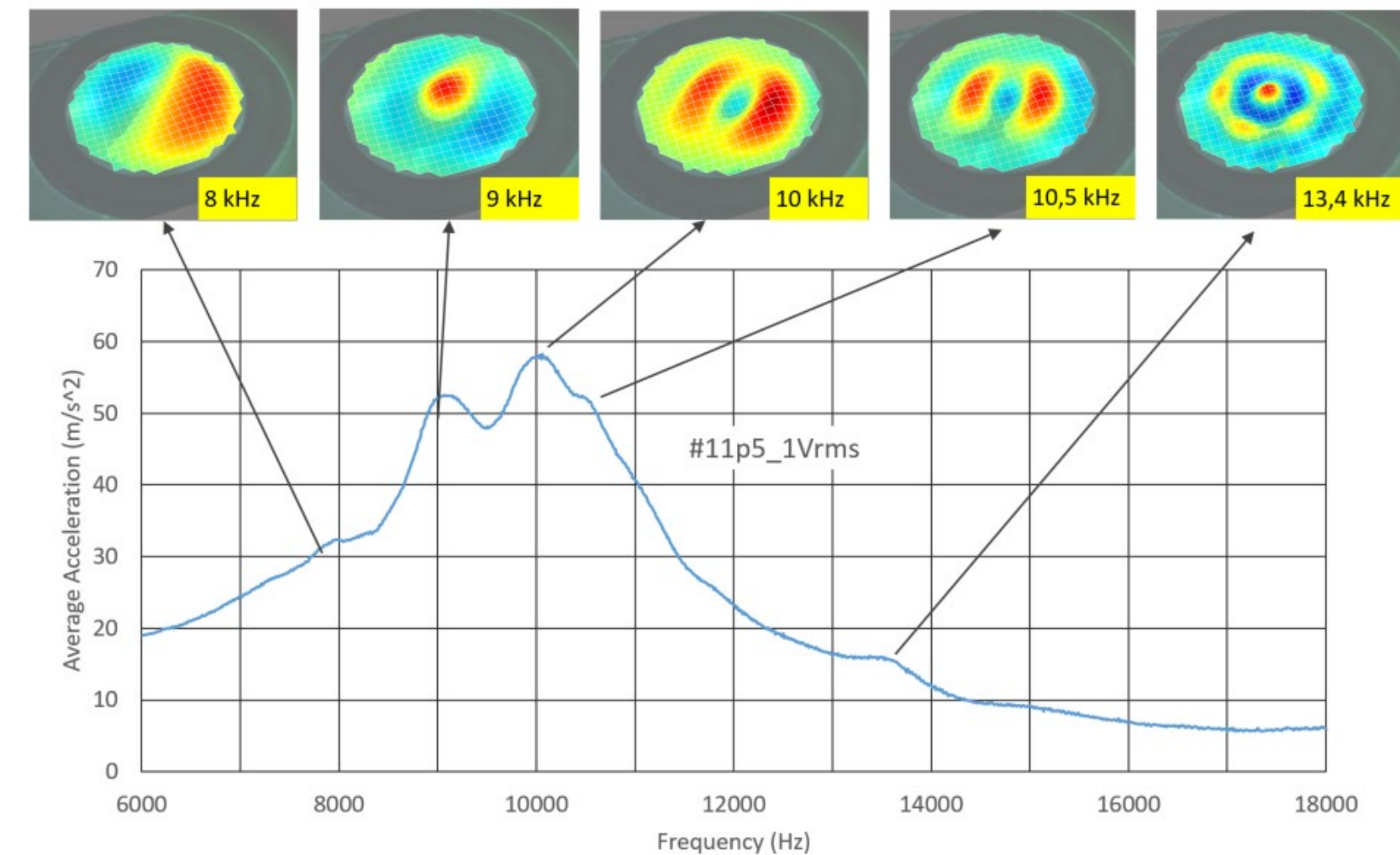
Reference	Dimensions [mm] (Ø x t)	Type (Active / Passive)	Rated Voltage [VDC for active ones Vp for passive ones]	Sensitivity @ rated voltage/1m [dB SPL]	Center frequency RESPONSE [Hz]
CC12Mo95P-2400	12x9,5	ACTIVE	5	65	2400
CSo4Mo2MN17-4000	4x4x2	PASSIVE	3	50	4000
CCo7MPo25M16-2700	7,5x2,5	PASSIVE	3,6	60	2700
CSo8Mo3MN20-L	8,5x3,2	PASSIVE	3,6	64	2730
CSo8Mo4MN13-4000	8,5x4	PASSIVE	5	80	4000
CSo96Mo50M-2700	9,6x5	ACTIVE	12	65	2700
CC138Po75P-4000	13,8x7,5	ACTIVE	12	65	4000
CCo9Mo4M16-2731	9x12,3x4	PASSIVE	3,6	67	2731
CS10Po3M12-5200	10x10x3	PASSIVE	5	50	5200
CC42PA16W-2800-2	42x16	ACTIVE	12	80	2800
KTC16P120Po2-20250	16x12	PASSIVE	150	120,1	20250
KTC10Po70Po2-40000	10x7	PASSIVE	100	114,6	40000

02

NEW PRODUCT INTRODUCTION

Design, Component, Development, Industrial tools

ACOUSTIC COMPONENT DESIGNER



- Experience to design various product types and configurations
- Powerful acoustic simulation software and knowledge
- Strongly equipped for precise analysis

SPEAKER TECHNOLOGY ENABLERS

Surround

Control the excursion of the diaphragm

Diaphragm

Generate as much sound as possible

Voice coil

Combined with the magnet, converts the electrical signal into mouvement

Magnet

Generates an optimized magnetic filed

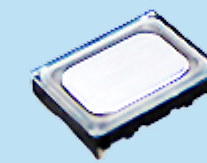
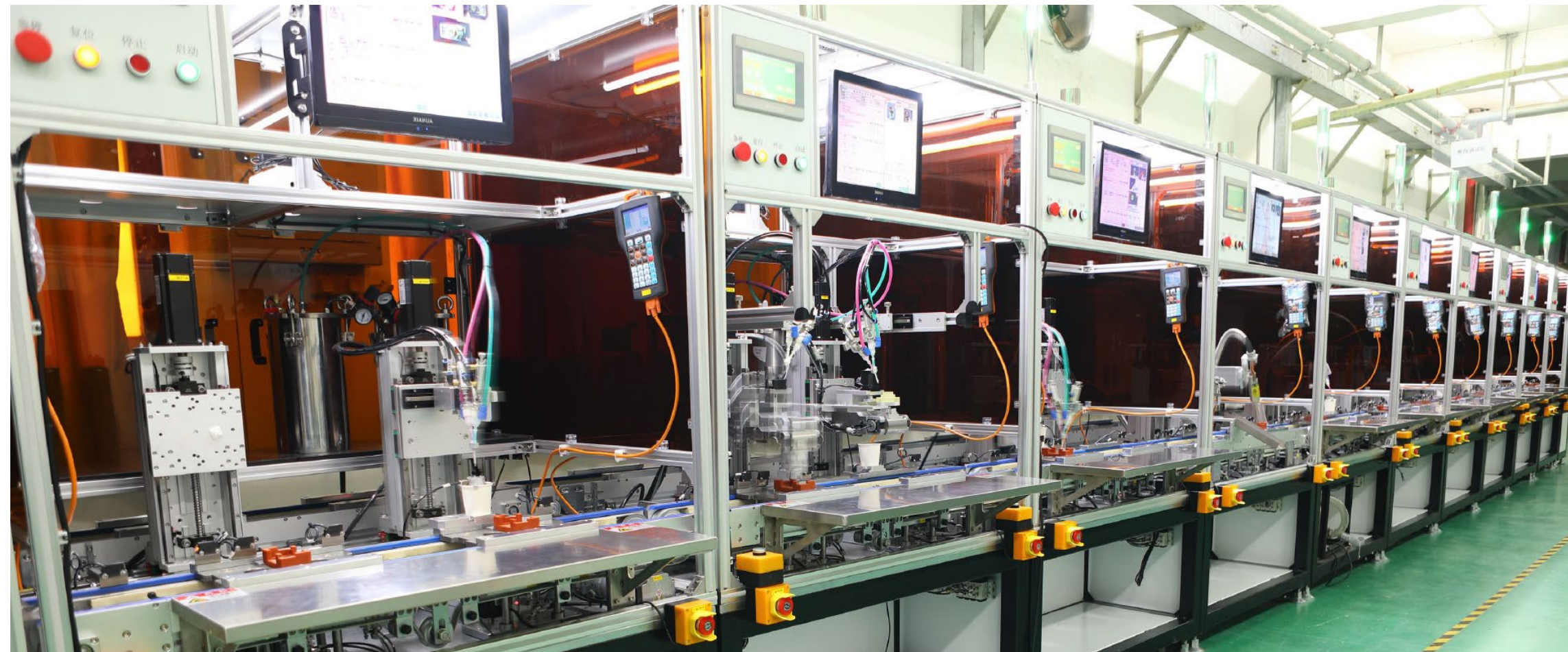
SELTECH **owns** and
drives the development
of critical parts

For the **best acoustic
drivers**

INDUSTRIAL TOOLS



- Flexible capacity for small and big volume
- Enhanced quality system/process
- Unique equipment for complete quality inspection
- Adaptable logistic support



Micro speakers

- **2M** micro-speakers per month
- **25** production lines
- **2** manufacturing sites



Loudspeakers

- **3M** speakers per month
- **37** production lines
- **3** manufacturing sites



ECMs

- **40M** speakers per month
- **14** production lines
- **2** manufacturing sites



CERTIFICATES AND EQUIPMENT



ISO 9001



ISO IATF



ISO 14001



Anechoic chamber



Mechanical motion tests



Environment tests



THANKS!

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