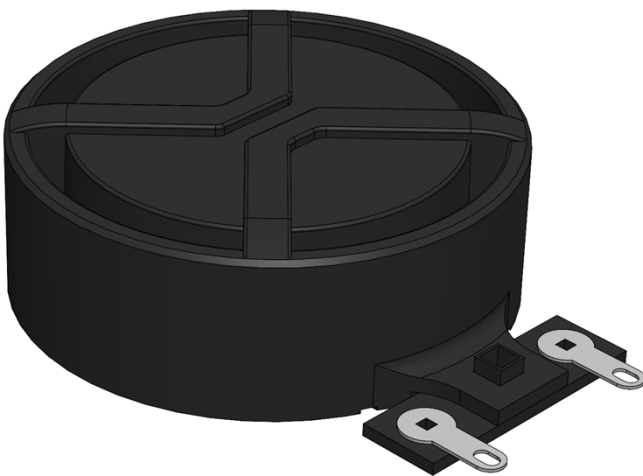




# XTREME SERIES

Xtreme Audio Performance  
at an Unbeatable Price!

## XT25-8 SPECIFICATIONS



- > Xtreme Upper Frequency Limit
- > Xtreme Precise and Powerful
- > Xtreme Low Distortion
- > Xtreme Reliable
- > Designed in Germany

# XT25-8 SPECIFICATIONS

## Electrical and Mechanical Properties

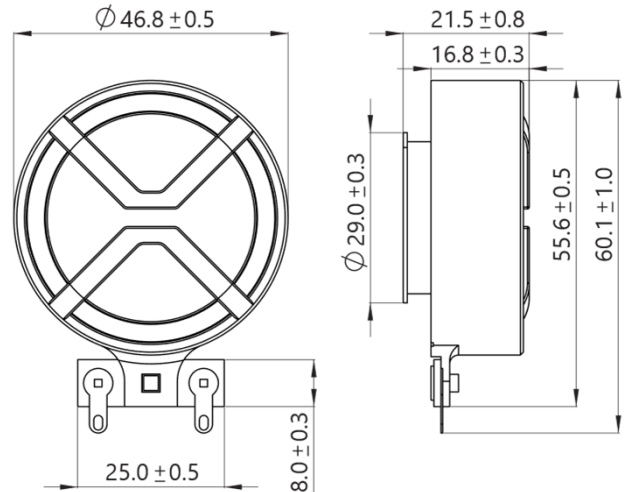
Rms Noise Test [W]	15
Long-term Max Power [W]	30
Frequency Range [Hz] <sup>1</sup>	40Hz – 19kHz
Nominal Impedance [Ohm]	8
DC Resistance [Ohm]	7.26
Le [mH] Re2 [Ohm] Le2 [mH]	0.10 4.72 0.08
Kms [N/mm]	6.19
Cms [mm/N]	0.16
Bl [N/A]	4.62
Motor Efficiency Factor $\beta$ [dB] <sup>2</sup>	4.68
Linear Xmax - IEC 60268 [mm]	$\pm 1.4$
Mechanical Xmax [mm]	$\pm 3.0$

Position Related Properties <sup>3</sup>	Magnet	Coil
Fs [Hz]	45.8	319
Mms [g]	74.8	1.54
Rms [Kg/s]	0.72	0.08
Qts	5.88	1.16
Qms	29.8	19.6
Qes	7.32	1.23

## Physical Properties

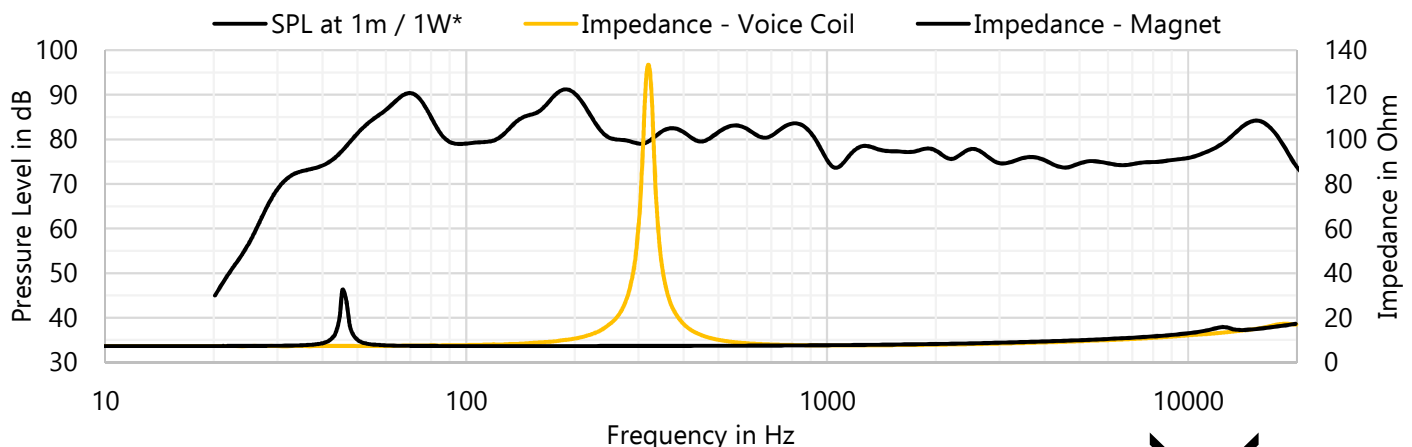
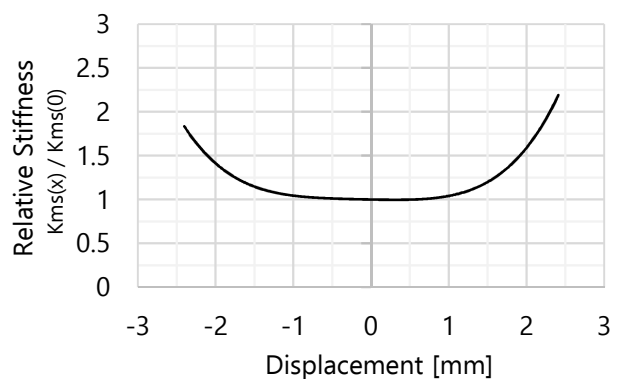
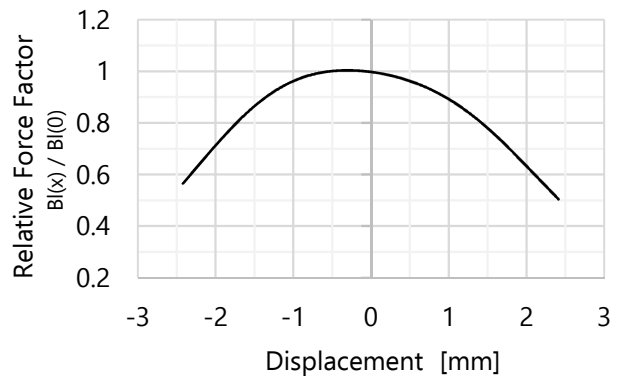
Total Weight [g]	76.3
Outer Diameter [mm]	46.8
Total Height [mm]	21.5
Voice Coil Diameter [mm]	25
Voice Coil Layers	2

- (1) The final frequency range is dependent on the panel properties
- (2)  $10\log(\beta)$  with  $\beta = Bl^2/Re$  [ref: 1Kg/s]
- (3) Exciters have two degrees of freedom - TSP measured by fixing one
- \* On-axis anechoic measurement 1m/2.83V [1/3rd octave smoothing]
- 3mm acrylic panel with A=0.3m<sup>2</sup> and R=2 - fixed edges - open back
- XT25-8 positioned at 35% | 50% - converted from 4pi to 2pi (+6dB)

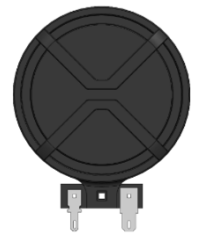


## Distortion Relevant Properties

At higher amplitudes, exciters generate nonlinear distortions primarily from  $Bl(x)$  and  $Kms(x)$ . The Xtreme Series is optimized to generate low harmonic and intermodulation distortions.



# XTREME SERIES



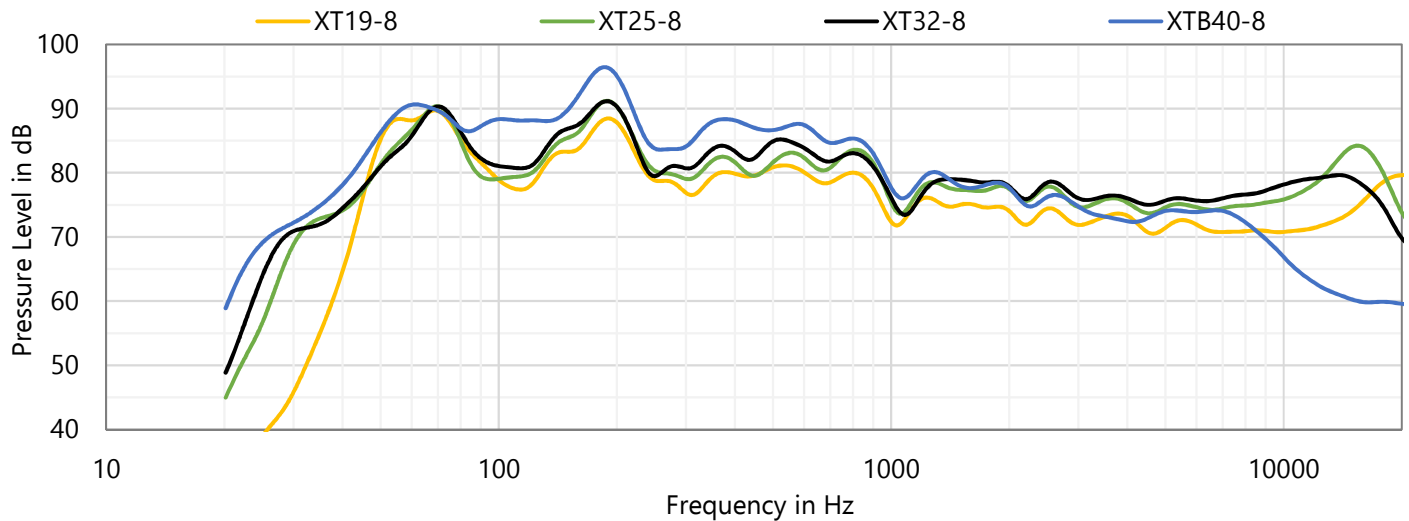
**XT19-8**

**XT25-8**

**XT32-8**

**XTB40-8**

	Xtreme Slim	Xtreme Highs	Xtreme All-round	Xtreme Bass
Long-term Max Power [W]	20	30	40	160
Frequency Range [Hz]	75Hz – 20kHz	40Hz – 19kHz	35Hz – 17kHz	25Hz – 1kHz
Fs Magnet [Hz]	79.3	45.8	39.3	29.9
Motor Efficiency Factor $\beta$ [dB]*	1.52	4.68	6.28	13.8
Linear Xmax [mm]	$\pm 1.0$	$\pm 1.4$	$\pm 1.6$	$\pm 2.5$
Mechanical Xmax [mm]	$\pm 2.4$	$\pm 3.0$	$\pm 3.5$	$\pm 5.0$
Total Height [mm]	14.0	21.5	24.8	31.0
Outer Diameter [mm]	36.3	46.8	54.5	65.0
Total Weight [g]	29.9	76.3	133	319



h=14.0mm



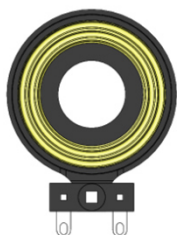
h=21.5mm



h=24.8mm



h=31.0mm



d=36.3mm



d=46.8mm



d=54.5mm



d=65.0mm