100 OD6-T

Product Data Sheet

Aluminum fixing bracket with reinforced profile, notched fastening with 180 degree articulation.

High density polypropylene damping cabinet, UV treated.

Aluminum inverted dome tweeter for excellent sound dispersion.



Fixed Aluminum grille, with rotating logo for vertical or horizontal installation.

6½" (16.5cm) bass-midrange with waterproof polypropylene cone and Polyglass treatment.

Push spring terminal with silicone protection.





Power selector 8Ω/100V/70V

Key points

- Technical design, IP66 certified (water and dust)
- Ready-to-paint grille and cabinet
- 8 ohm/100V/70V mode by switch

Finishes

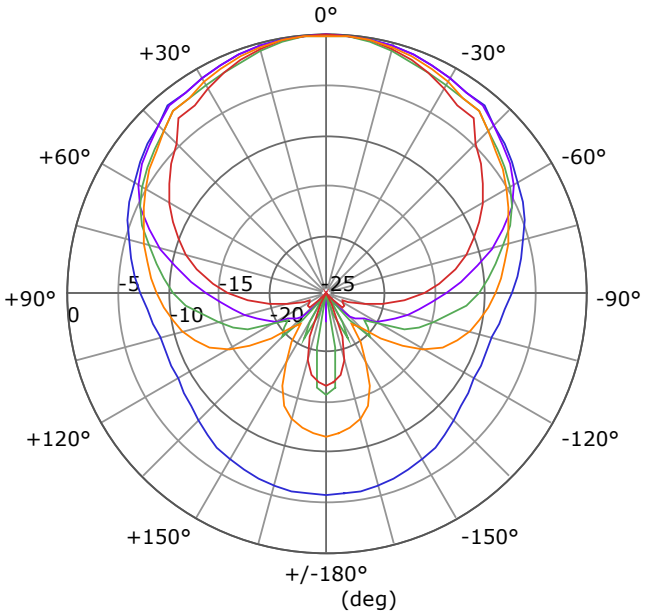


Type	**Outdoor loudspeaker**
Speakers	Aluminum inverted dome tweeter 6½" (165mm) waterproof woofer with Polyglass treatment
Sensitivity (2.83V/1m)	87dB
Frequency response (+/-3dB)	65Hz-23kHz
Low frequency point (-6dB)	55Hz
Power in 8Ω	60W
Power in 70V	7.5W/15W/30W
Power in 100V	15W/30W/60W
Filtering frequencies	2,800Hz
Dimensions (LxPxH) with brackets	8.8x10.1x12.6" (224x256x319mm)
Net weight with brackets	9lbs (4.1kg)
Recommended settings for DSP-amplifiers (8Ω):	
Recommended Limiter Threshold	24,2V RMS
Recommended Limiter Attack Time	0ms
Recommended Limiter Release Time	150ms
Recommanded High-pass filter	40Hz Linkwitz-Riley 12 dB/octave

8Ω			
70V	7.5W	15W	30W
100V	15W	30W	60W

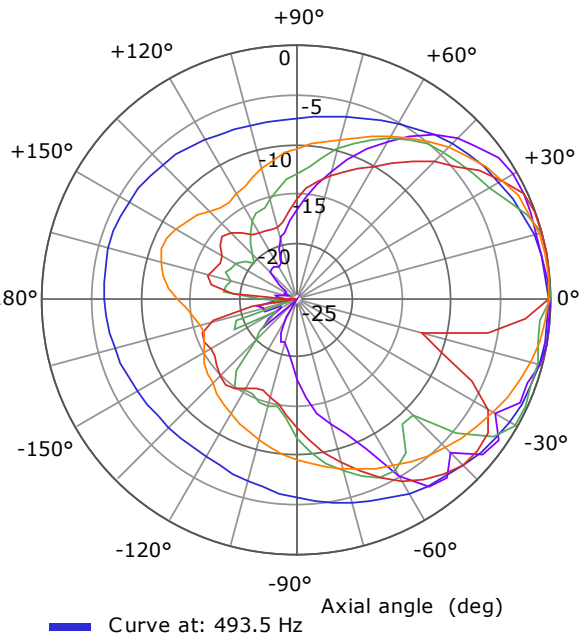
Measurements Directivity

Horizontal



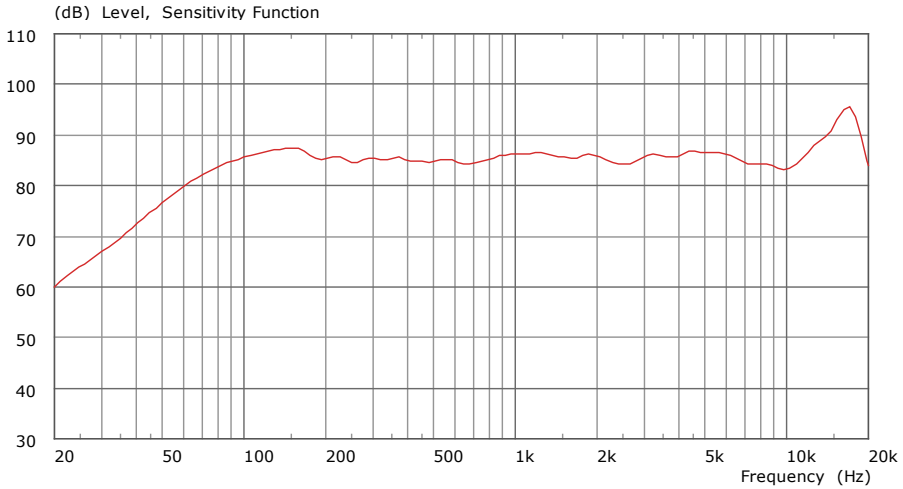
- Curve at: 500 Hz
- Curve at: 1 kHz
- Curve at: 2 kHz
- Curve at: 4 kHz
- Curve at: 8 kHz

Vertical



- Curve at: 493.5 Hz
- Curve at: 1 kHz
- Curve at: 2 kHz
- Curve at: 4 kHz
- Curve at: 8 kHz

Frequency Response



100 OD6-T Speaker level Calculation Table

Nominal sensitivity	87dB

Power/Distance	**1m**	**2m**	**5m**
1W (2.83V)	87dB	81dB	73dB
10W (8.94V)	97dB	91dB	83dB
20W (12.6V)	100dB	94dB	86dB
30W (15.5V)	102dB	96dB	88dB

Summary	**125Hz**	**250Hz**	**500Hz**	**1kHz**	**2kHz**	**4kHz**	**8kHz**
NPA (2.83V/1m)	87dB	85dB	85dB	86dB	86dB	86dB	85dB
Opening Angle at -6dB	360°	360°	160°	160°	110°	140°	130°