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Eighteensound TWEETER XD125 8ohm - Visokotonac



Šifra: 16349
Kategorija prozivoda: HF Driveri (Visokotonci)
Proizvođač: Eighteensound

Cena: 10.680,00 rsd

This design maintains the minimum resonance frequency point value at 1600Hz, extending the frequency response in the mid region when compared to previous compression driver model, the XD120. The design of diaphragm and surround in polyester material allows better control in terms of movement and mechanical stress. Radial ribs increase stiffness avoiding uncontrolled vibration modes in the usable frequency range. An edge-wound aluminum voice coil, wounded on proprietary treated Nomex, completes diaphragm assembly. Proprietary treated Nomex former, thanks to its physical properties, shows 30% higher value of tensile elongation at working operative temperature(200°C) when compared to Kapton. This plus is capable to keep properly energy transfer control to the dome in real working conditions. Moreover, Eighteen Sound voice coil proprietary Nomex former is suitable to work also in environments with higher moisture contents. The polypropylene phase plug is the result of a meticulous design exercise. Its shape assures the correct acoustic impedance of the radiating dome, reducing distortion levels across a very wide range of frequency. Final result is a smooth coherent wavefront in the horn entrance, high thermal stability and manufacturing consistency. The compact and lightweight ceramic magnet assembly has been designed to obtain 16KGauss in the gap. The XD125 pressure die-cast polyurethane foam horn maintains constant nominal 90° Horizontal x 60° Vertical pattern control, providing consistent on-axis and off-axis frequency response from 2kHz to 16kHz in the horizontal plane and from 2,5kHz to 16 kHz in the vertical plane. Horn directivity is constant from 2,5kHz. Computer Aided Finite Element Analysis and extensive testing were used to obtain the horn contours. Horn is designed to be free of resonance and vibrations assuring maximum strength.

1 inch exit throat
108 dB SPL 1W/1m average sensitivity
25,4 mm (1 in) edgewound aluminum voice coil
50 Watt program power handling
Low weight, easy mounting and handling structure
Usable in two way or multiway systems
90° x 60° coverage Constant directivity pattern
Unique Eighteen Sound elliptical shape

General

Product type	Horn+driver
Brand	Eighteen Sound
Reference	XD125
Product code	DRV10D125PO08FD - 0421M8X110

Informations

Nominal impedance	8 ohm
Manufacturer sensitivity	109 dB
Nominal power handling	25 W
Max power handling	50 W
Bandwidth	2000÷18000 Hz
Recommended min cutoff frequency	2500 Hz
Exit dimension	1.0 inch

Datas

Flux density	1.65 T
Zmin	8 ohm
Weight	~1.1 kg

Dimensions

Voice coil diameter	1 inch

Shape & Materials

Front chape	Cylindrical

Magnet type	Ferrite

Cene su informativnog karaktera. Prodavac ne odgovara za tačnost cena iskazanih na sajtu, zadržava pravo izmena cena. Ponudu za ostale artikle, informacije o stanju lagera i aktuelnim cenama možete dobiti na upit. Plaćanje se isključivo vrši virmanski - bezgotovinski.