

Eighteensound TWEETER NSD1095N 8ohm - Visokotonac

Šifra: 15896
Kategorija proizvoda: HF Driveri (Visokotonci)
Proizvođač: Eighteensound

Cena: 29.880,00 rsd



further innovation in the NSD1095N is the titanium diaphragm nitrogen treatment, a proprietary technology defined as True Piston Motion - TPM technology developed after extensive research by Eighteen Sound. The coating is realized in a PVD - Physical Vapor Deposition - vacuum chamber. With its very high value of elasticity modulus (six times higher than titanium and two times higher than beryllium), the nitride thin film is capable of doubling the diaphragm overall stiffness with obvious benefits in terms of impulse response and intermodulation distortion reduction. The frequency response is then extended by 25%, showing a predictable, ideal pistonic behavior, avoiding top-end spurious resonances. An edge-wound copper-clad aluminum voice coil, wound on proprietary treated Nomex, completes the diaphragm assembly. Nomex shows a 30% higher value of tensile elongation at a working operative temperature (200°C) when compared to Kapton. Moreover, this proprietary former material is also suitable for use in high moisture content environments. The powerful neodymium magnet assembly has been designed to obtain 20KGauss in the gap giving major benefits in transient response. A copper ring on the pole piece reduces inductance above 10 kHz, improving phase and impedance linearization. The custom designed O-ring creates a tight seal between the plate and the cover assuring air chamber loading. Excellent heat dissipation and thermal exchange are guaranteed by the direct contact between the magnetic structure and the aluminum cover which leads to a lower power compression value. A special treatment has been applied to the magnet and the top and back plates of the magnetic structure making the driver more resistant to the corrosive effects of salts and oxidization.

General

Product type

Compression driver

Brand

Eighteen Sound

Reference

NSD1095N

Product code

DRV101095TI08NA - 0421T8N410

Informations

Nominal impedance

8 ohm

Dimensional category

3.5 inch

Manufacturer sensitivity

110 dB

Nominal power handling

50 W

Max power handling

100 W

Bandwidth

1600÷20000 Hz

Recommended min cutoff frequency

1600 Hz

Datas

Flux density

2 T

Zmin

7 ohm

Weight

~1.1 kg

Dimensions

Voice coil diameter

1.75 inch

Outside diameter

93 mm

Depth

53 mm

Shape & Materials

Front chape

Cylindrical

Magnet type

Neodymium