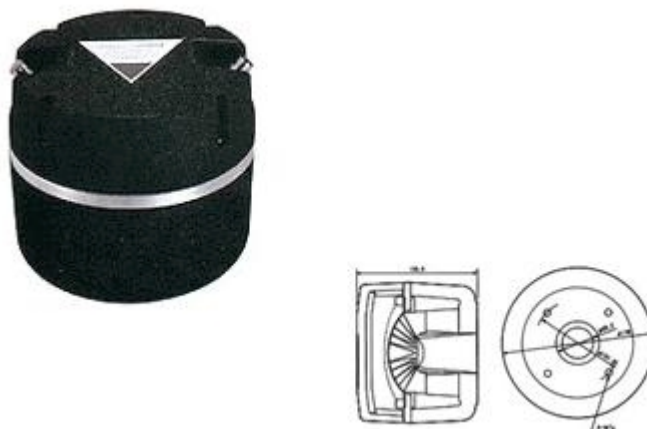


TAD TD-4001



**High Frequency Driver**

The TD-4001 successfully achieves all the design objectives we set forth - very high efficiency, wide and perfectly flat response from 600Hz to 20kHz, and low distortion.

**DIAPHRAGM** The TD-4001 employs a pure beryllium diaphragm 3-15/16 inches (100mm) across. Beryllium is a light but very rigid material that features very high-speed sound propagation. The weight of the dome section has been reduced to a mere 1g contributing to the very high efficiency (110dB/W) of this driver.

**VOICE COIL** The TD-4001 employs an aluminum ribbon voice coil, insulated by alumite film and wound edgewise on the bobbin. The voice coil has a small mass yet offers a high conversion efficiency. The bobbin is formed of polyimide film, displaying excellent heat resistance to temperatures as high as 752°F (400°C).

**MAGNETIC CIRCUIT** Total magnetic flux is 228,000Mx, with flux density of 20,000G, thanks to the use of a very heavy (6 lbs. 10 oz./3kg) alnico 5DG magnet. An oxygen-free copper shorting ring prevents impedance rise, resulting in low distortion.

**DESIGN** The TD-4001 is of the rear compression design, which eliminates the resonance and phase distortion produced by a surround. It also eliminates cavity resonance interference, achieving very flat frequency response, extremely natural sound and superb definition. A phasing plug helps smooth the response of extra high frequencies.

**CROSSOVER** We recommend the use of a crossover frequency of 600Hz or higher, and a cutoff slope of 12dB/oct. or sharper.

General	TD-4001
Nominal Impedance	16 Ohm
Frequency Range	600-20000 Hz
Rated Input Power	30 Watt
Maximum Input Power	60 Watt
Sound Pressure Level	110 dB/W (1m)
Total Magnetic Flux	228.000 Mx
Magnetic Flux Density	20.000 G
Lowest Recommended Crossover	600 Hz
Voice Coil Diameter	101,0 mm
Phasing Plug	5-slit type
Hole Size for Throat Connection	49,4 mm
Mounting Dimensions	101.6 (4 Holes) mm
Weight	13,5 kg
Dimensions (diameter x depth)	178 x 156 mm