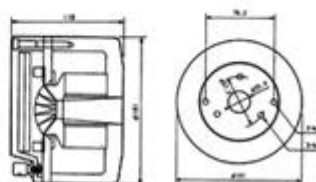


TAD TD-2001



High Frequency Driver

The TD-2001 is designed to an exceptionally wide frequency range of 500 to 22,000Hz, high efficiency and high dependability.

DIAPHRAGM A pure beryllium diaphragm is employed in the TD-2001. This diaphragm ensures rapid sound wave transmission, extremely flat frequency response, little cone breakup, excellent transient response and high sound image definition. Deformation is prevented by a surround formed of a special high-polymer compound. It also effectively prevents fatigue and rupture caused by an excessive input level.

VOICE COIL For the voice coil, the TD-2001 employs edgewise-wound aluminum ribbon wire, insulated in alumite film. This design provides an exceptionally high acoustic conversion efficiency. It is wound on a bobbin formed from a high-polymer compound having ideal heat resistance up to 752°F (400°C).

MAGNETIC CIRCUIT The magnetic circuit includes a 2.2 lb. (1kg) alnico magnet for a total magnetic flux of 68,500Mx. The center pole is capped by a ring of pure silver to prevent an increase in impedance (and resultant distortion) at high frequencies.

DESIGN A rear-compression mounting system is employed for the diaphragm and voice coil assembly. This assures enhanced clarity, for rear compression neatly avoids the resonance generated at the edge of the diaphragm. It also improves the phase uniformity of all frequencies, particularly highs, since they are emitted from virtually all points on the diaphragm. A phasing plug serves to eliminate phase disturbances at the throat region, for virtually flat frequency response.

General	TD-2001
Nominal Impedance	8 Ohm
Frequency Range	500-22000 Hz
Rated Input Power	10 Watt
Maximum Input Power	30 Watt
Sound Pressure Level	109 dB/W (1m)
Total Magnetic Flux	68.500 Mx
Magnetic Flux Density	18.000 G
Lowest Recommended Crossover	800 Hz
Voice Coil Diameter	48,0 mm
Phasing Plug	3-slit type
Hole Size for Throat Connection	25,4 mm
Mounting Dimensions	2 holes: 76,2 / 3 holes: 57,2 mm
Weight	6,4 kg
Dimensions (diameter x depth)	141 x 107 mm