



PRD500 Planar Ribbon Driver

High performance planar magnetic ribbon driver

The PRD500 is a high performance planar ribbon driver with very high sensitivity/output capabilities developed for a wide range of professional and consumer applications where the highest quality of accurate sound reproduction is required.



UNIQUE FEATURES

1. Kapton® diaphragm, cast face plates, horns and back cup, symmetrical push-pull Neodymium magnet system
2. Driving force directly acts on the diaphragm and is evenly distributed over the radiating surface providing freedom from break-up resonance, transmission delay and losses
3. Flat diaphragm provides an ideal shape for sound radiation resulting in a coherent wavefront, even dispersion, no wave cancellation, no signal delays and no horn throat related colorations
4. Purely resistive impedance, virtually free from inductive components
5. An extremely light diaphragm compares by mass to the associated vibrating air volume. Being extremely light, it creates an ideal condition for sound energy transfer, accurate signal resolution, high sensitivity and extended high frequency resolution

The PRD500 driver is used with a variety of faceplates and horns suited for specific applications. The PRD500 is particularly suitable for line source systems providing excellent coupling at high frequencies. This produces a coherent wavefront with a resulting long throw sound energy beam. For more detailed information please download the white paper on PRD drivers at www.dolby.com

SPECIFICATIONS

Parameters	PRD500 w/90°x 30° extruded AL waveguides/standoffs	PRD500 with 120°x30° waveguide	PD500 w/90°x 30° waveguide
Effective Frequency Range	1500Hz-40kHz	1500Hz-40kHz	1500Hz-40kHz
Power Handling W	35W RMS, 360W peak	35W RMS, 360W peak	35W RMS, 360W peak
Sensitivity, 2.83V/1m	101dB	101 dB	103dB
Nominal Impedance, Ohms	7Ω (purely resistive)	7Ω (purely resistive)	7Ω (purely resistive)
Dimensions HxWxD	6.1" (15.5) x 2.56" (6.5cm) x 1.81" (4.6cm)	6.85" (17.4cm) x 6.85" (17.4cm) x 1.75" (4.44cm)	6.85"(17.4cm) x 6.85"(17.4cm) x 3"(7.6cm)
Weight	1.2lbs (0.54kg)	1.8lbs (0.82kg)	2lbs (.9kg)

