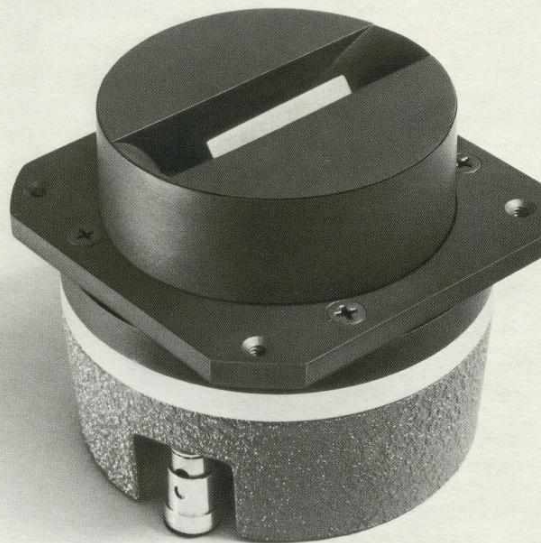


## Professional Series Model 2405 Ultra-High Frequency Transducer

20 Watts continuous program  
6500 – 21,500 Hz response  
1 $\frac{3}{4}$ " edgewound aluminum ribbon voice coil  
56 dB sensitivity  
90° x 30° dispersion at 16 kHz



The 2405 is designed for use as the ultra-high frequency driver in a wide range, multi-element loudspeaker system. It features a unique combination of extended frequency response, high efficiency and wide dispersion pattern.

Frequency response extends smoothly from 6500 Hz to beyond the range of human hearing. A unique diffraction horn provides horizontal dispersion that is greater than 90 degrees at 16 kHz and 65 degrees at 20 kHz—far wider than conventional direct radiating loudspeakers of comparable efficiency, regardless of their size. Vertical dispersion pattern is 30 degrees at 16 kHz and 25 degrees at 20 kHz. Dispersion pattern measurements are determined

from the points where level is 6 dB down from the on-axis value using  $\frac{1}{3}$ -octave bands of pink noise as the signal source. For a given power input, the 2405 produces an exceptionally high acoustic output, converting a 1-Watt input into a sound pressure level of 105 dB at a distance of one meter. At typical monitoring levels, such efficiency allows the 2405 to recreate intense high frequency onsets and transients with outstanding clarity and accuracy.

