



# TL44-16

## COMPRESSION DRIVER



### GENERAL SPECIFICATIONS<sup>1</sup>

Part Number	TL44-16
Throat Diameter	101.6mm×25.4mm (4in×1in)
Nominal Impedance	16Ω
Minimum Impedance	16Ω at 9000Hz
AES Power Handling <sup>2</sup>	80W
Maximum Power Handling <sup>3</sup>	160W
Sensitivity (1W/1m) <sup>4</sup>	112dB
Recommended Crossover <sup>5</sup>	1.0kHz
Frequency Range	1.0kHz-20kHz
Voice Coil Diameter	44.4mm
Winding Material	Flat Copper Clad Aluminum
Former Material	Kapton
Flux Density	2.2T
Diaphragm Material	Polymer
Phase Plug Material	Aluminum
Horn Material	Cast Aluminum
Magnet Material	Neodymium
Net Weight	1.14kg

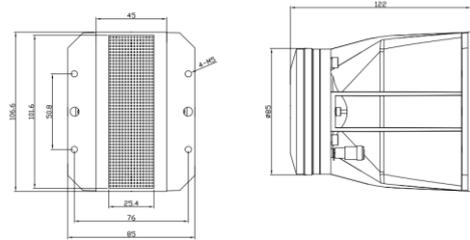
### NOTES

1. Driver testing uses its own aluminum horn.
2. Two hours test according to AES 2-1984 Rev. 2003.  
Power calculated on rated minimum impedance.
3. Maximum power is defined as 3dB greater than Nominal power.
4. Applied RMS Voltage is set to 4 V for 16 ohms Nominal Impedance.
5. 12 dB/oct. or higher slope high-pass filter.
6. Power test made with continuous pink noise signal within the range from the recommended crossover frequency to 20kHz.

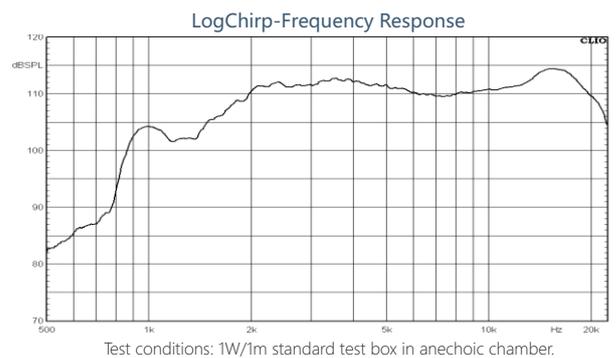
### KEY FEATURES

- 112dB 1W/1m sensitivity
- 4in×1in horn throat diameter
- 80W AES power handling
- 1.0kHz-20kHz frequency response
- 44.4mm (1.7in) flat copper clad aluminum voice coil
- Polymer diaphragm
- Neodymium ring magnetic structure
- Suitable for compact two way systems and multi-way systems

### MECHANICAL DRAWING



### FREQUENCY RESPONSE CURVE



### IMPEDANCE CURVE

