



TC9044L-50

COMPRESSION DRIVER



KEY FEATURES

- Middle 115dB & High 115dB 1W/1m sensitivity
- 2in horn throat diameter
- 120W & 60W AES power handling
- 300Hz-18kHz frequency response
- 88.9mm (3.5in) & 44.4mm (1.7in) copper clad aluminum voice coil
- Polymer diaphragm
- Neodymium inside slug magnetic structure
- Suitable for compact two way systems and multi-way systems

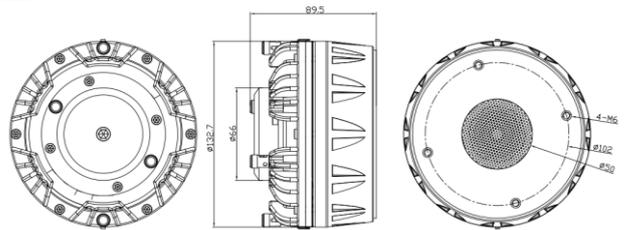
GENERAL SPECIFICATIONS¹

Part Number	TC9044L-50
Throat Diameter	50mm (2in)
Nominal Impedance	Middle:8Ω High:8Ω
Minimum Impedance	Middle:6.4Ω at 3500Hz High:6.8Ω at 10000Hz
AES Power Handling ²	Middle:120W above 400Hz High:60W above 6300Hz
Maximum Power Handling ³	Middle:240W above 500Hz High:120W above 7000Hz
Sensitivity (1W/1m) ⁴	Middle:115dB High:115dB
Recommended Crossover ⁵	400Hz
Middle/High Crossover ⁵	6300Hz
Frequency Range	Middle:300Hz-7000Hz High:6000Hz-18000Hz
Voice Coil Diameter	Middle:88.9mm High:44.3mm
Winding Material	Middle&High:Copper Clad Aluminum (2 layers in and outside)
Former Material	Middle&High:Kapton
Flux Density	Middle:1.9T High:1.9T
Diaphragm Material	Middle&High:Polymer
Phase Plug Material	Middle:Plastic High:Aluminum
Cover Material	Cast Aluminum
Magnet Material	Middle&High:Neodymium
Net Weight	2.4kg

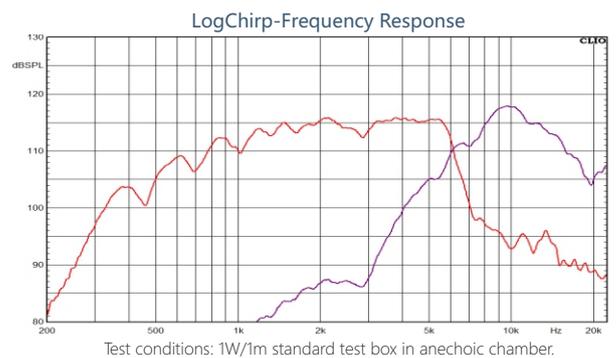
NOTES

1. Driver mounted on 200×145×250H 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 2.83 V for 8 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.

MECHANICAL DRAWING



FREQUENCY RESPONSE CURVE



IMPEDANCE CURVE

