

DRIVER CD1411-K

Professional High Frequency Transducer

PART NUMBER **15129048**

Features

- 1.5-inch Diaphragm, 1.0-inch Exit Throat
- 50 watt Continuous program power handling
- Frequency range: 1500Hz - 20kHz
- Optimized geometry radial phase plug
- Very compact size for array applications
- Polyimide diaphragm assembly

Applications

Compact 2-way systems, multiple-way medium throw systems, compact and medium size high quality line arrays. Very good linearity in combination with RCF HF94, HF64, HF101 horns.



Notes to Specifications

1. Continuous pink noise power ratings are derived from suggested AES standards sending a pink noise signal having a 6 dB crest factor with a high pass filter set at the specified lower limiting frequency for two hours. Continuous program power is a conservative power rating for reproduction of typical audio program material.
2. Sensitivity measurement is based on pink noise signal with input power of 1 watt and measured at 1 meter from the mouth of a horn with a Q of 15 on axis and averaged between 2 and 5 kHz.
3. Frequency range is defined as the measured frequency response -10dB relative to the rated sensitivity.

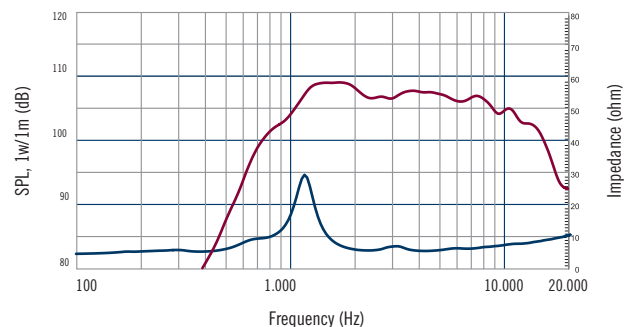
The CD1411-K is a high performance 1.5-inch diaphragm compression driver with a 1.0 inch exit throat featuring a single piece, low compression, radial phase plug. The diaphragm and suspension are precision formed from polyimide. The CD1411-K is a very compact size, versatile driver for professional applications.

General Specifications

Exit Throat Diameter	25.4/1	mm/inch
Rated Impedance	8	ohm
Power handling capacity ¹		
continuous program above 1.2 kHz	50	Watt
AES above 1.0 kHz	25	Watt
Sensitivity 1 W, 1 M, on axis, on horn ²	109	dB
Frequency Range ³	1500 - 20000	Hz
Diaphragm Material	Polyimide	
Suspension Material	Polyimide	
Suspension Design	Radial	
Minimum Impedance	7.0 ohm at 6000 Hz	
Voice Coil Diameter	35.5/1.5	mm/inch
Voice Coil Material	Edgewound aluminum	
Voice Coil Former Design	Straight - Kapton	
Number of layers	1 - Outside	
BL Factor	4.4	T · m
Flux Density	1.75	T
Phase Plug Design	10 radial slots	
Phase Plug Material	Composite	
Magnetics	Ceramic	
Voice Coil Demodulation		

Mounting Information

Overall Diameter	91/3.6	mm/inch
Overall Height	51/2.0	mm/inch
Mounting		
4 x 6 mm threaded holes at 180 deg.	76.2/3.0	mm/inch
Net Weight	0.98/2	kg/Lbs
Shipping Weight	1.1/2	kg/Lbs



Frequency response and electrical impedance curve of the compression driver mounted on HF94 horn with input signal of 2.83 Volt.

