

# DRIVER CD1411-M

Professional High Frequency Transducer

PART NUMBER **15129043**

## 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
- Ceramic magnet 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.

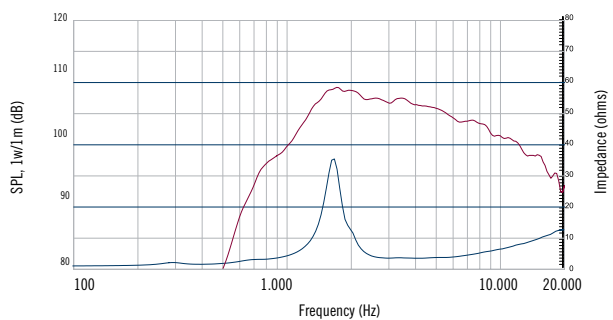
The CD1411-M is a high performance 1.5-inch diaphragm compression driver with a 1.0 inch exit throat featuring a single piece, low compression, radial phase plug. The diaphragm and suspension are precision formed from Mylar. The CD1411-M is a very compact size, versatile driver for professional applications.

### General Specifications

Exit Throat Diameter	25.4	mm/inch
Rated Impedance	8	ohm
Power handling capacity <sup>1</sup>		
continuous program above 1.2 kHz	50	Watt
AES above 1.0 kHz	25	Watt
Sensitivity 1 W, 1 M, on axis, on horn <sup>2</sup>	108	dB
Frequency Range <sup>3</sup>	1500 - 20000	Hz
Diaphragm Material	Mylar	
Suspension Material	Mylar	
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	T · m
Flux Density	1.6	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.

1500 20.000

