

## DRIVER

# CD400

## Professional High Frequency Transducer

The CD400 is a high performance 1.75-inch diaphragm ceramic compression driver with a 1.0 inch exit throat. The diaphragm is precision formed from polyester. The voice coil assembly is designed using high temperature Kapton former, rectangular profile copper clad aluminum wire and assembled using advanced, specially formulated adhesives.

PART NUMBER **15129047**

- 1.75-inch Diaphragm, 1.0-inch Exit Throat
- 100 watt Continuous program power handling
- Frequency range: 1200Hz - 20kHz
- 2-slot, optimised geometry phase plug
- Polyester diaphragm
- Vented suspension system
- Ceramic magnet assembly

## APPLICATIONS

The CD400 is a very compact size compression driver for professional applications. Compact 2-way systems, multiple-way systems. Flexible and easy to crossover, offer high efficiency combined to a very high frequency extension. Very good in combination with RCF HF94, HF64, H100, 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.

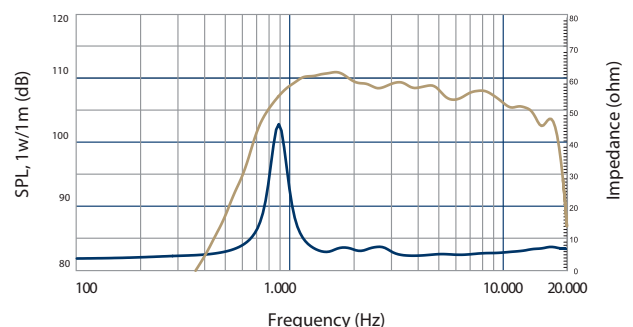
3. Frequency range is defined as the measured frequency response -10dB relative to the rated sensitivity. The data are not binding; RCF reserves the right to modify the data at any time and without previous notice.

## GENERAL SPECIFICATIONS

Exit Throat Diameter	25.4/1	mm/inch
Rated Impedance	8	ohm
Power handling capacity <sup>1</sup>		
continuous program above 1.5 kHz	100	Watt
AES above 1.5 kHz	50	Watt
Sensitivity 1 W, 1 M, on axis, on horn <sup>2</sup>	109	dB
Frequency Range <sup>3</sup>	1200 - 20000	Hz
Diaphragm Material	Polyester	
Suspension Material	Polyester	
Suspension Design	Flat	
Minimum Impedance	6,5 ohm at 4500 Hz	
Voice Coil Diameter	44.4/1.75	mm/inch
Voice Coil Material	Edgewound Aluminum	
Voice Coil Former Design	Straight -Kapton	
Number of layers	1 - Outside	
BL Factor	7.5	T · m
Flux Density	1.8	T
Phase Plug Design	2 slot	
Phase Plug Material	Composite	
Magnetics	Ceramic	
Voice Coil Demodulation	-	

## MOUNTING INFORMATION

Overall Diameter	134/5.3	mm/inch
Overall Height	52/2	mm/inch
Mounting		
4 x 6 mm threaded holes at 90 deg.	76.2/3.0	mm/inch
Net Weight	2.4/5.3	kg/Lbs
Shipping Weight	2.7/5.9	kg/Lbs



Frequency response and electrical impedance curve of the compression driver mounted on 90°x40°V horn with input signal of 2.83 Volt

