DRIVER

# CD1411-M

Professional High Frequency Transducer

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.

PART NUMBER **15129043**

- 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

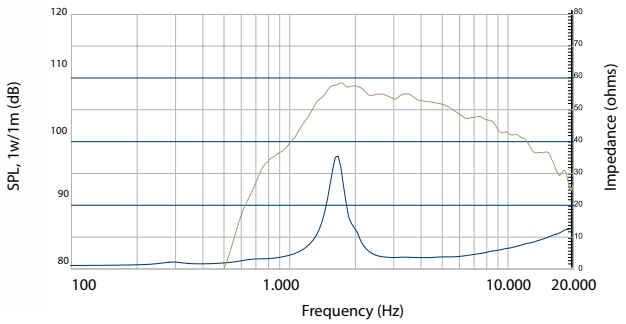
Compact 2-way systems, multiple-way medium throw systems, compact and medium size high quality line arrays. Very good linearity in combination with RCF HF94, HF64, HF101 horns.

## GENERAL SPECIFICATIONS

| | | |
|---|---|---|
| Exit Throat Diameter | 25.4/1 | mm/inch |
| Rated Impedance | 8 | ohm |
| Power handling capacity [1] | | |
| continuous program above 1.7 kHz | 50 | Watt |
| AES above 1.7 kHz | 25 | Watt |
| Sensitivity 1 W, 1 M, on axis, on horn [2] | 108 | dB |
| Frequency Range [3] | 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 90°Hx40°V horn with input signal of 2.83 Volt

### NOTES TO SPECIFICATIONS

1. Continuos 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. Continuos 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.