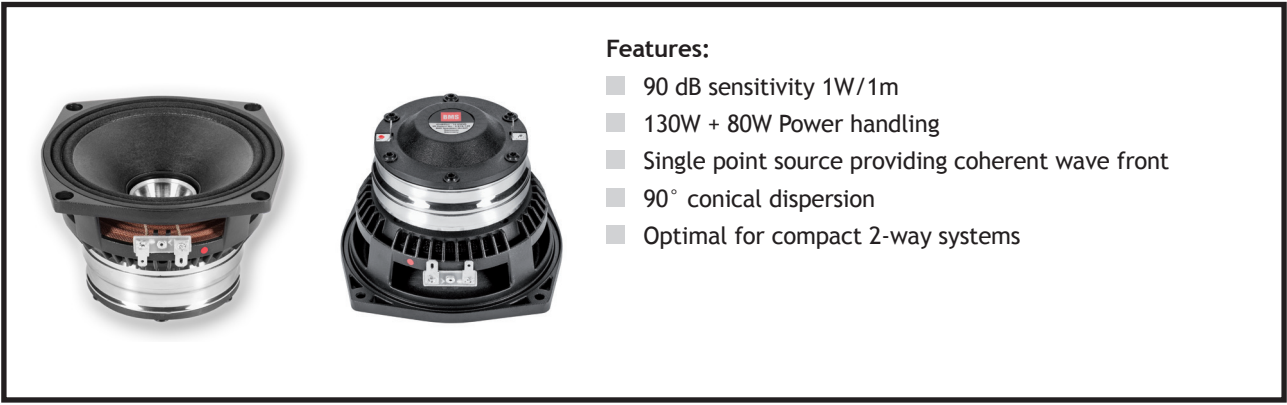


# 5CN162

## 5" Neodymium Coaxial Transducer

# Coaxial series



### Features:

- 90 dB sensitivity 1W/1m
- 130W + 80W Power handling
- Single point source providing coherent wave front
- 90° conical dispersion
- Optimal for compact 2-way systems

## SPECIFICATIONS

|                              |                  |                |
|------------------------------|------------------|----------------|
| Application                  | 2-way Transducer |                |
| Nominal Impedance:           | Ohm              | 8 low, 16 high |
| Power handling AES noise:    | W                | 130            |
| Sensitivity (1 W / 1 m):     | dB               | 90             |
| Frequency response:          | Hz               | 80-20000       |
| Voice Coil Diameter:         | mm               | 38 (1,5")      |
| Voice Coil Material:         | Cu               |                |
| Voice Coil Winding Depth:    | mm               | 15             |
| Magnet Gap Depth:            | mm               | 5              |
| Basket:                      |                  | Cast Aluminum  |
| Effect Diaphragm Diameter D: | mm               | 98             |

### Thiele-Small Parameters

|                        |       |                |        |
|------------------------|-------|----------------|--------|
| Resonance Frequency:   | Fs    | Hz             | 107    |
| DC Resistance:         | Re    | Ohm            | 6,45   |
| Mechanical Q Factor:   | Qms   |                | 4,3    |
| Electrical Q Factor:   | Qes   |                | 0,38   |
| Total Quality Factor:  | Qts   |                | 0,35   |
| Equivalent Volume:     | Vas   | L              | 1,8    |
| Moving Mass:           | Mms   | kg             | 0,0097 |
| Mechanical Compliance: | Cm    | mm / N         | 0,23   |
| BL Factor:             | BL    | Tesla m        | 10,47  |
| Effective Piston Area: | Sd    | m <sup>2</sup> | 0,0075 |
| Max. linear Excursion: | Xmax  | mm             | ±5     |
| Voice Coil Inductance: | Le1k  | mH             | 0,36   |
|                        | Le10k | mH             | 0,32   |

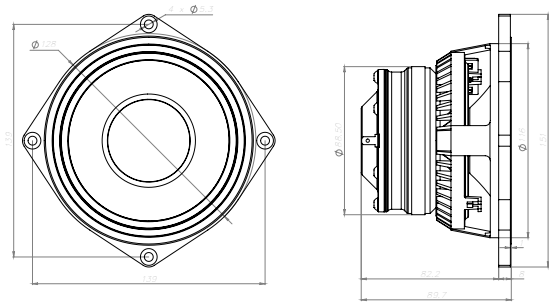
### Specifications High Frequency

|                          |    |                      |
|--------------------------|----|----------------------|
| Power Handling AES:      | W  | 80                   |
| Peak Power:              | W  | 450                  |
| Sensitivity (1 W / 1 m): | dB | 110                  |
| Frequency range:         | Hz | 1000-20000           |
| Recommended crossover:   | Hz | >1300                |
| Voice coil diameter:     | mm | 44,4 (1,75")         |
| Magnet material:         |    | Neodymium            |
| Flux density:            | T  | 1,8                  |
| Voice coil material:     |    | Copper Clad Aluminum |
| Voice coil material:     |    | Kapton               |
| Diaphragm material:      |    | Polyester            |

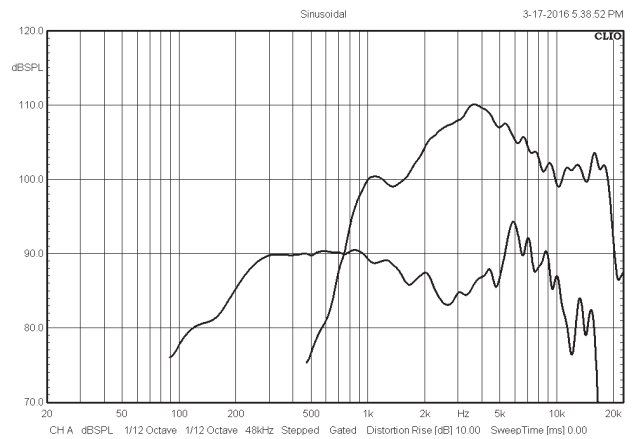
### Recommended reflex enclosure:

1,9L / 104Hz, BRD = 30mm / 77mm long

3,8L / 90 Hz, BRD = 40mm / 86mm long



Frequency response - 1W/1m



Impedance - 8 Ohm driver

