



CRAFTED AUDIO, LLC

# BMR28

Balanced mode radiator drive unit, 28 mm

SPECIFICATION SHEET  
REVISION A

## DESCRIPTION

The BMR28 is a 28 mm full-range balanced mode radiator. Rather than moving as a piston, the diaphragm is tuned to bend in controlled modes, which holds dispersion wide and even to the top of the band and keeps phase coherent off axis.

Supplied as a bare drive unit for designers building their own enclosure.

## CONSTRUCTION

- High-temperature magnet assembly with full magnetic shielding
- Neodymium motor, available in varying grades
- Compact package — small footprint and small depth
- Lighter than comparable cone drivers of the same output
- Can be weatherized

## ACOUSTIC CHARACTER

- Predictable and even frequency response
- Coherent phase response
- Ultra-wide dispersion — effective in non-ideal locations
- Consistent voicing across the range, so sizes mix freely

## PERFORMANCE

|                |                        |
|----------------|------------------------|
| Impedance      | 8 $\Omega$             |
| Power handling | 14 W RMS               |
| Sensitivity    | 83.1 dB @ 2.83 V / 1 m |

## THIELE-SMALL

|          |             |
|----------|-------------|
| $V_{as}$ | 0.070 litre |
| $F_s$    | 217.3 Hz    |

## PHYSICAL

|        |                 |
|--------|-----------------|
| Length | 42 mm (1.65 in) |
| Width  | 42 mm (1.65 in) |
| Depth  | 28 mm (1.10 in) |
| Mass   | 62 g (2.2 oz)   |

## MOUNTING AND CONNECTION

|                |                                                     |
|----------------|-----------------------------------------------------|
| Baffle cut-out | $\varnothing 39.5$ mm (1.56 in)                     |
| Frame          | $\varnothing 41.30$ mm (1.63 in)                    |
| Fixing         | Clamped or clipped — see BMR28ASY01                 |
| Terminals      | 2 $\times$ blade 2.9 $\times$ 0.32 mm — .110 series |

**Supplied as the ND8R.** Crafted stocks and ships the 8  $\Omega$  unit; the frame, cut-out and depth are common across the BMR28 range.

## Crafted Audio, LLC

8051 N. Tamiami Tr. STE E6, Sarasota, FL 34243 · [craftedav.com](http://craftedav.com)

**WARRANTY** — one year from date of shipment against defects in materials and workmanship. Remedy limited to repair or replacement at Crafted's option. Full terms at [craftedav.com/warranty](http://craftedav.com/warranty).

Balanced mode radiator technology is licensed from Tectonic. Product names of other manufacturers are used only to identify the parts described.

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