

# Specification Sheet

Model # DCM-3



# MISCO®

## Key Features:

- 4" (100mm), 8 ohm
- Voice Range, 6 watts
- Ferrite magnet, red acrylic treated cloth cone;

## Product Specifications & Parameters

### Primary Specifications

|                      |         |
|----------------------|---------|
| Speakers Environment | Outdoor |
| RoHS Compliant       | No      |

### Technical Specifications

|  |            | Units of Measure |
|--|------------|------------------|
| Nominal Basket Diameter                        | 4.0        | inch             |
|  | 100.0      | mm               |
| Rated Impedance                                | 8          | ohms             |
| Rated Power                                    | 6.0        | Watts            |
| Program Power                                  | 12         | Watts            |
| Frequency Range                                | 270 - 6500 | Hz               |
| Sensitivity (2.83 V input measured at 1 Meter) | 92         | dB SPL           |
| Voice Coil Diameter                            | 0.7 / 17.8 | inch / mm        |
| Magnet Weight                                  | 2.4 / 67   | oz / gr          |
| Transformer                                    |            |                  |

### Small Signal Parameters

|                                    |      | Units of Measure |
|------------------------------------|------|------------------|
| Resonant Frequency (fo)            | 330  | Hz               |
| D.C. Resistance (Re)               | 6.6  | ohms             |
| Mechanical Q (Qms)                 | 6.0  |                  |
| Electrical Q (Qes)                 | 5.92 |                  |
| Total Q (Qts)                      | 2.97 |                  |
| Compliance Equivalent Volume (Vas) |      | ltr              |
| BL Product (BL)                    |      | T-M              |
| Maximum Linear Excursion (Xmax)    | 0.4  | mm               |
| Surface Area of Cone (Sd)          |      | cm <sup>2</sup>  |
| Moving Mass (Mmd)                  |      | g                |

### Material Descriptions

|                 |                           |
|-----------------|---------------------------|
| Basket          | Stamped Steel             |
| Terminal Size   | #6 Screw                  |
| Magnet          | Ferrite                   |
| Voice Coil Wire | Copper                    |
| Voice Coil Form | Kapton                    |
| Cone            | Red Acrylic Treated Cloth |
| Cone Edge       | Red Acrylic Treated Cloth |
| Dust Cap        | Felt                      |

# Drawing

| ID | Description       | Measurements | Tolerance  |
|----|-------------------|--------------|------------|
| OD | Outside Diameter  | in.          | +/- 0.040" |
| CD | Cutout Diameter   | in.          | +/- 0.030" |
| MG | Magnet Diameter   | in.          | +/- 0.050" |
| HD | Hole Diameter     | in.          | +/- 0.020" |
| MD | Mounting Diameter | in.          | +/- 0.020" |
| ID | Internal Depth    | in.          | Maximum    |
| FT | Flange Thickness  | in.          | +/- 0.050" |
| NW | Net Weight        | gr.          |            |

