

# Specification Sheet

Model # RDC3S



# MISCO®

## Key Features:

- 3" (77mm), 8 ohm
- Voice Range, 6 watts
- Ferrite magnet, felted paper cone
- RoHS compliant;

## Product Specifications & Parameters

### Primary Specifications

|                      |        |
|----------------------|--------|
| Speakers Environment | Indoor |
| RoHS Compliant       | Yes    |

### Technical Specifications

|  |            | Units of Measure |
|--|------------|------------------|
| Nominal Basket Diameter                        | 3.0        | inch             |
|  | 77.0       | mm               |
| Rated Impedance                                | 8          | ohms             |
| Rated Power                                    | 6.0        | Watts            |
| Program Power                                  | 12         | Watts            |
| Frequency Range                                | 250 - 8000 | 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 / 68   | oz / gr          |
| Transformer                                    |            |                  |

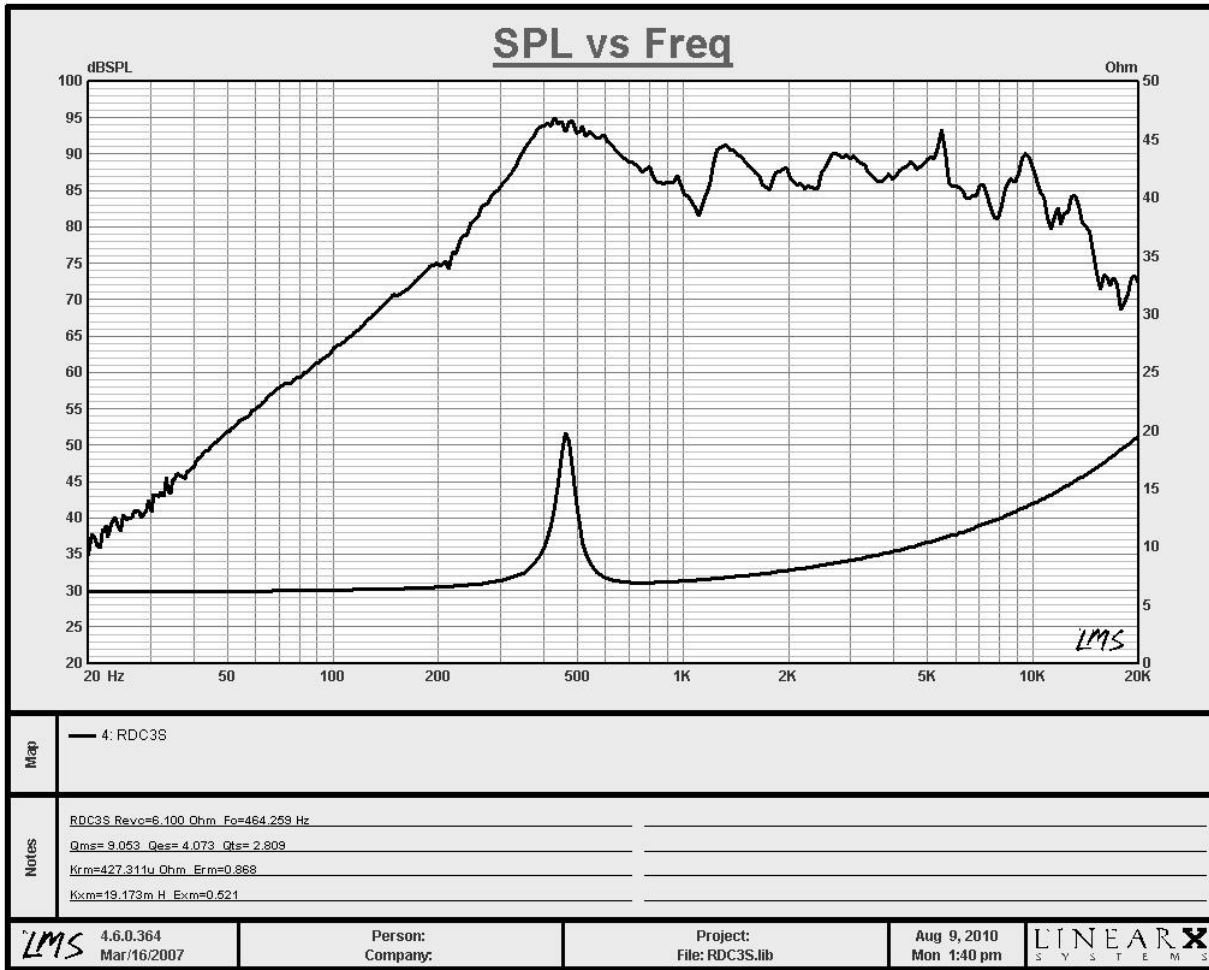
### Small Signal Parameters

|                                    |      | Units of Measure |
|------------------------------------|------|------------------|
| Resonant Frequency (fo)            | 464  | Hz               |
| D.C. Resistance (Re)               | 6.3  | ohms             |
| Mechanical Q (Qms)                 | 9.1  |                  |
| Electrical Q (Qes)                 | 4.07 |                  |
| Total Q (Qts)                      | 2.81 |                  |
| Compliance Equivalent Volume (Vas) |      | ltr              |
| BL Product (BL)                    |      | T-M              |
| Maximum Linear Excursion (Xmax)    | 0.9  | mm               |
| Surface Area of Cone (Sd)          |      | cm2              |
| Moving Mass (Mmd)                  |      | g                |

### Material Descriptions

|                 |               |
|-----------------|---------------|
| Basket          | Stamped Steel |
| Terminal Size   | 0.19 X 0.02   |
| Magnet          | Ferrite       |
| Voice Coil Wire | Copper        |
| Voice Coil Form | Aluminum      |
| Cone            | Felted Paper  |
| Cone Edge       | Paper         |
| Dust Cap        | Felt          |

## Sensitivity / Frequency



## Drawing

| ID | Description       | Measurements | Tolerance  |
|----|-------------------|--------------|------------|
| Od | Outside Diameter  | 3.0 in.      | +/- 0.020" |
| CD | Cutout Diameter   | 2.8 in.      | +/- 0.020" |
| MG | Magnet Diameter   | 2.1 in.      | +/- 0.050" |
| HD | Hole Diameter     | 0.2 in.      | +/- 0.010" |
| MD | Mounting Diameter | 3.4 in.      | +/- 0.010" |
| ID | Internal Depth    | 1.1 in.      | +/- 0.025" |
| FT | Flange Thickness  | 0.11 in.     | +/- 0.050" |
| NW | Net Weight        | 223.0 g      |            |

