

Specification Sheet

Model # OC10W-8D



MISCO®

Key Features:

- 10" (250mm), 8 ohm
- Woofer, 100 watts
- Ferrite magnet, Black Polypropylene cone and dust cap with Natural rubber surround
- RoHS compliant

Product Specifications & Parameters

Primary Specifications

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

Technical Specifications

| | | Units of Measure |
|---|-------------|------------------|
| Nominal Basket Diameter | 10.0 | inch |
| | 250.0 | mm |
| Rated Impedance | 8 | ohms |
| Rated Power | 100.0 | Watts |
| Program Power | 200 | Watts |
| Frequency Range | 20 - 1000 | Hz |
| Sensitivity (2.83 V input measured at 1 Meter) | 89 | dB SPL |
| Voice Coil Diameter | 2.0 / 50.8 | inch / mm |
| Magnet Weight | 40.0 / 1136 | oz / gr |
| Transformer | | |

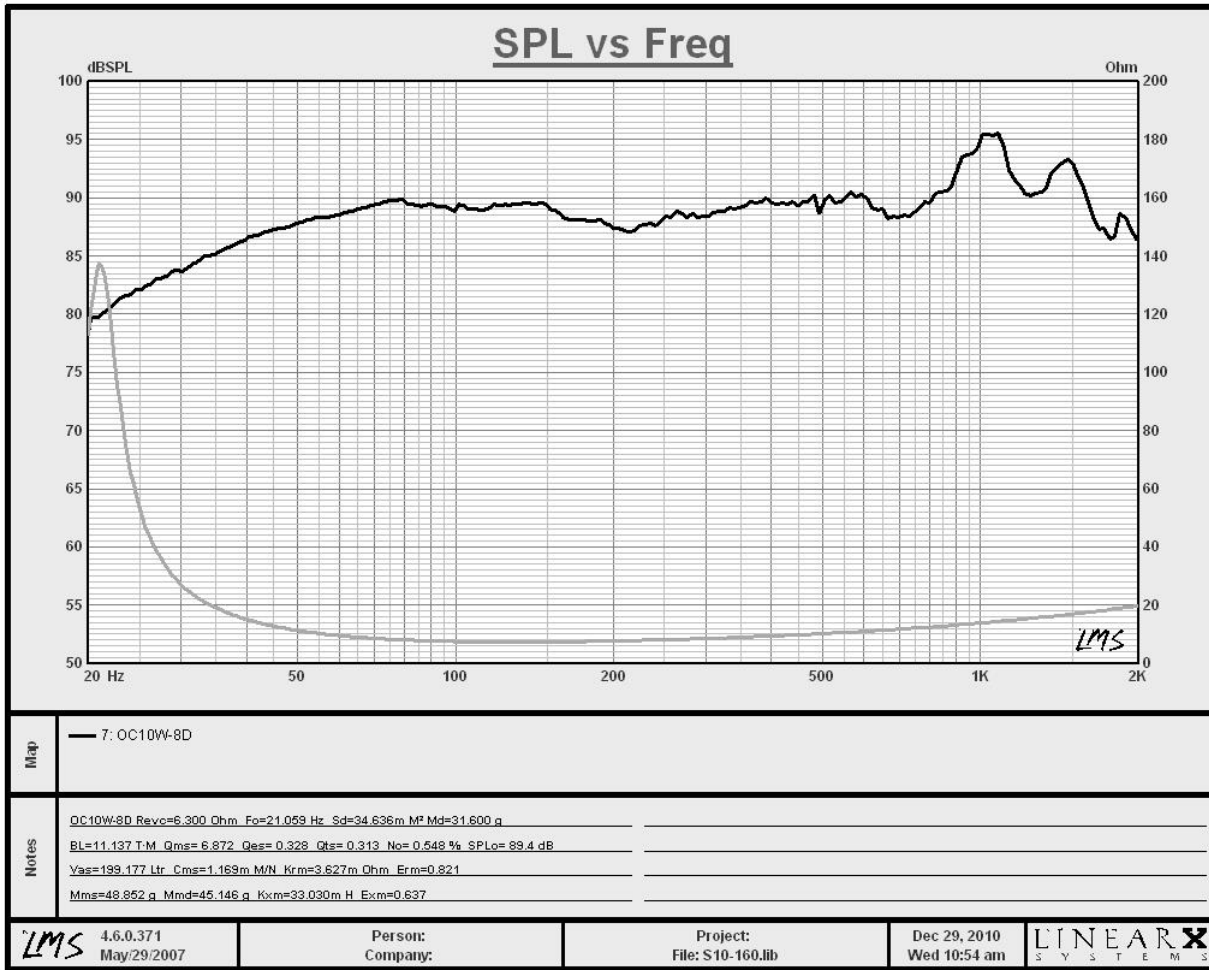
Small Signal Parameters

| | | Units of Measure |
|------------------------------------|-------|------------------|
| Resonant Frequency (fo) | 21 | Hz |
| D.C. Resistance (Re) | 6.3 | ohms |
| Mechanical Q (Qms) | 6.9 | |
| Electrical Q (Qes) | 0.33 | |
| Total Q (Qts) | 0.31 | |
| Compliance Equivalent Volume (Vas) | 199.0 | ltr |
| BL Product (BL) | 11.1 | T-M |
| Maximum Linear Excursion (Xmax) | 9.0 | mm |
| Surface Area of Cone (Sd) | 346.0 | cm ² |
| Moving Mass (Mmd) | | g |

Material Descriptions

| | |
|-----------------|---------------------------|
| Basket | Stamped Steel |
| Terminal Size | 0.205 X 0.02 |
| Magnet | Ferrite |
| Voice Coil Wire | Copper |
| Voice Coil Form | Kapton |
| Cone | Talc Filled Polypropylene |
| Cone Edge | Natural Rubber |
| Dust Cap | Polypropylene |

Sensitivity / Frequency



Drawing

| ID | Description | Measurements | Tolerance |
|----|-------------------|--------------|------------|
| Od | Outside Diameter | 10.1 in. | +/- 0.020" |
| CD | Cutout Diameter | 9.1 in. | +/- 0.020" |
| MG | Magnet Diameter | 5.3 in. | +/- 0.050" |
| HD | Hole Diameter | 0.2 in. | +/- 0.010" |
| MD | Mounting Diameter | 9.7 in. | +/- 0.010" |
| ID | Internal Depth | 4.6 in. | +/- 0.025" |
| FT | Flange Thickness | 0.18 in. | +/- 0.050" |
| NW | Net Weight | 3620.0 g | |

