# **Driver Specification Sheet**

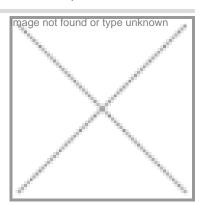
Rev:

Model No:: SBS-200P00CP01-00

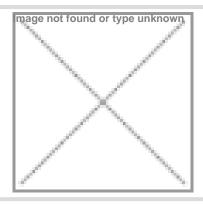
Product Line: Tymphany Last Update: 2018-04-23 00:36:08

#### **Product Description**

This 8inch passive radiator a member of the new SBS product family, with a coated paper cone, NBR rubber surround, is designed to achieve high linear excursions in passive radiator systems. The stamped steel basket is designed to pass the finger probe test in safety certifications.



### **Mechanical Drawing**



### **Specifications**

| DC Resistance                 | Revc        | Ohms   | 0     | 5.0%      | Energy Bandwidth Product   | EBP  | (1/Qes)*fs   |       |
|-------------------------------|-------------|--------|-------|-----------|----------------------------|------|--------------|-------|
| Minimum Impedance             | Zmin        | Ohms   | 0     | 7.5%      | Moving Mass                | Mms  | g            | 118   |
| Voice Coil Inductance         | Le          | mH     | 0     |           | Suspension Compliance      | Cms  | um/N         | 537.2 |
| Resonant Frequency            | Fs          | Hz     | 0     | 15%       | Effective Cone diameter    | D    | cm           | 17.5  |
| Mechanical Q Factor           | Qms         |        | 0     |           | Effective Piston Area      | Sd   | cm^2         | 240.5 |
| Electrical Q Factor           | Qes         | 0      |       |           | Effective Volume           | Vas  | L            | 0     |
| Total Q Factor                | Qts         |        | 0     |           | Motor Force Factor         | BL   | Tm           | 0     |
| Ratio Fs/Qts                  | F           | Fs/Qts |       |           | Motor Efficiency Factor    | ß    | (T*M^2)/Ohms |       |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB     | 33.61 | +/- 1.0db | Voice coil former Material | VCfm |              |       |
| Half Space Sensitivity @1W/1M | db@1W/1M    | dB     | 0     | +/- 1.0db | Voice coil inner diameter  | VCd  | mm           | 0     |
| Gap Height                    | Gh          | mm     | 0     |           | Rated Noise Power          | Р    | W            | 0     |
| Maximum Linear Excursion      | Xmax        | mm     | 0     |           | Test Spectrum Bandwidth    |      |              |       |
| Ferrofluid Type               | FF          |        |       |           | Driver Size                | Inch | 8 in         |       |
| Driver Mass                   | Kg          | 0.48   |       |           |                            |      |              |       |

## **Frequency and Impedance Response**

