

Model No.: SLS-P830667  
 Product Line: Peerless

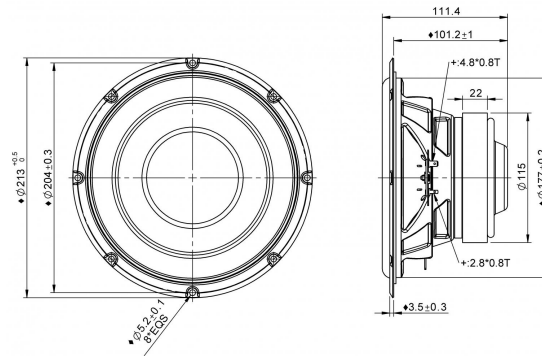
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## Product Description

The SLS line combines high quality performance with an affordable design. This 8 inch 8 ohm member of the SLS family features a rigid steel basket, a coated paper cone, and a ferrite magnet motor with aluminium shorting ring for improved distortion performance.



## Mechanical Drawing



## Specifications

|                               |             |        |       |           |                            |      |                          |       |
|-------------------------------|-------------|--------|-------|-----------|----------------------------|------|--------------------------|-------|
| DC Resistance                 | Revc        | Ohms   | 5.53  | 5.0%      | Energy Bandwidth Product   | EBP  | (1/Qes)*fs               |       |
| Minimum Impedance             | Zmin        | Ohms   | 6.21  | 7.5%      | Moving Mass                | Mms  | g                        | 34.8  |
| Voice Coil Inductance         | Le          | mH     | 0.78  |           | Suspension Compliance      | Cms  | um/N                     | 409.1 |
| Resonant Frequency            | Fs          | Hz     | 42.19 | 15%       | Effective Cone diameter    | D    | cm                       | 16.5  |
| Mechanical Q Factor           | Qms         |        | 5.73  |           | Effective Piston Area      | Sd   | cm <sup>2</sup>          | 213.8 |
| Electrical Q Factor           | Qes         |        | 0.75  |           | Effective Volume           | Vas  | L                        | 26.27 |
| Total Q Factor                | Qts         |        | 0.66  |           | Motor Force Factor         | BL   | Tm                       | 8.26  |
| Ratio Fs/Qts                  | F           | Fs/Qts | 63.83 |           | Motor Efficiency Factor    | β    | (T*M <sup>2</sup> )/Ohms | 12.3  |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB     | 86.67 | +/- 1.0db | Voice coil former Material | VCfm |                          | GSV   |
| Half Space Sensitivity @1W/1M | db@1W/1M    | dB     | 85.6  | +/- 1.0db | Voice coil inner diameter  | VCd  | mm                       | 38.43 |
| Gap Height                    | Gh          | mm     | 8     |           | Rated Noise Power          | P    | W                        | 90    |
| Maximum Linear Excursion      | Xmax        | mm     | 8.4   |           | Test Spectrum Bandwidth    |      | 20Hz - 20kHz             |       |
| Ferrofluid Type               | FF          |        |       |           | Driver Size                | Inch | 8 in                     |       |
| Driver Mass                   | Kg          |        | 2.52  |           |                            |      |                          |       |

## Frequency and Impedance Response



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