

Model No: SLS-160F32PR02-08  
Product Line:

Rev 1  
Last Update: 2017-01-05 14:20:43

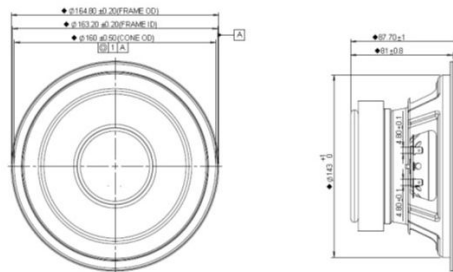
## Product Description

The SLS line combines high quality performance with an affordable design. This 6.5 Inch 8Ohm member of the SLS family features a rigid steel basket, and a ferrite magnet motor with aluminium shorting ring for improved distortion performance.

NOTE THIS DRIVER IS NOT APPROVED AND/OR IS NOT IN MASS PRODUCTION YET.  
AS SUCH IT MAY BE SUBJECT TO CHANGE.  
SPEC IS ONLY FOR INFORMATION.  
PLEASE CHECK STATUS WITH THE ENGINEER



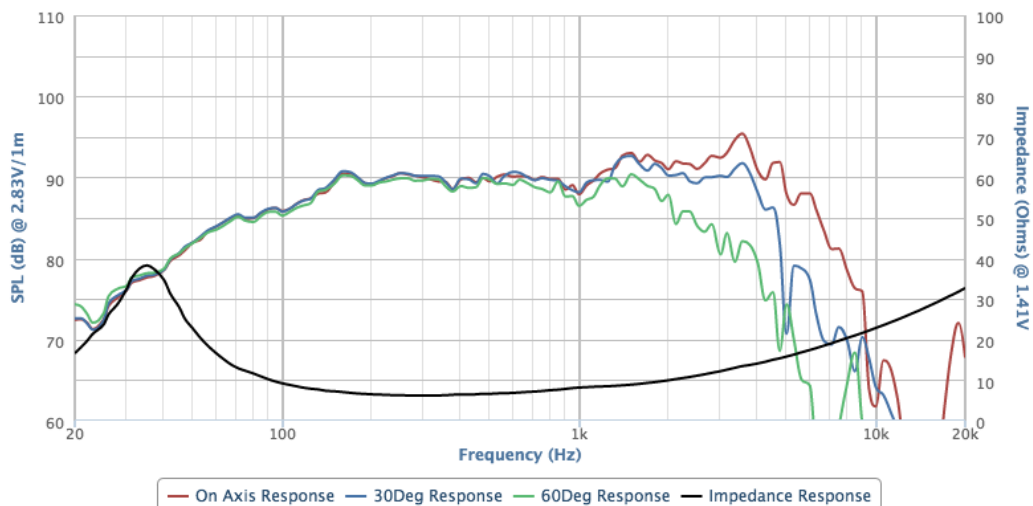
## Mechanical Drawing



## Specifications

|                               |             |        |        |           |                            |           |                          |         |
|-------------------------------|-------------|--------|--------|-----------|----------------------------|-----------|--------------------------|---------|
| DC Resistance                 | Revc        | Ohms   | 5.7    | 5.0%      | Energy Bandwidth Product   | EBP       | (1/Qes)*fs               | 115.88  |
| Minimum Impedance             | Zmin        | Ohms   | 6.23   | 7.5%      | Moving Mass                | Mms       | g                        | 15.84   |
| Voice Coil Inductance         | Le          | mH     | 0.28   |           | Suspension Compliance      | Cms       | um/N                     | 1215.68 |
| Resonant Frequency            | Fs          | Hz     | 36.27  | 15%       | Effective Cone diameter    | D         | cm                       | 13.5    |
| Mechanical Q Factor           | Qms         |        | 2.26   |           | Effective Piston Area      | Sd        | cm <sup>2</sup>          | 143.14  |
| Electrical Q Factor           | Qes         |        | 0.31   |           | Effective Volume           | Vas       | L                        | 34.98   |
| Total Q Factor                | Qts         |        | 0.28   |           | Motor Force Factor         | BL        | Tm                       | 8.11    |
| Ratio Fs/Qts                  | F           | Fs/Qts | 131.89 |           | Motor Efficiency Factor    | β         | (T*M <sup>2</sup> )/Ohms | 11.53   |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB     | 89.96  | +/- 1.0db | Voice coil former Material | VCfm      | ASV                      |         |
| Half Space Sensitivity @1W/1M | db@1W/1M    | dB     | 88.88  | +/- 1.0db | Voice coil inner diameter  | VCd       | mm                       | 32.41   |
| Gap Height                    | Gh          | mm     | 6      |           | Rated Noise Power          | P         | W                        | 25      |
| Maximum Linear Excursion      | Xmax        | mm     | 4.65   |           | Test Spectrum Bandwidth    | 20-3000HZ |                          |         |
| Ferrofluid Type               | FF          |        |        |           | Transducer Size            | Inch      | 6.5                      |         |
| Transducer Mass               | Kg          | 1.41   |        |           |                            |           |                          |         |

## Frequency and Impedance Response



Highcharts.com