# Driver Specification Sheet

## Product Description

This 3 inch 8 ohm member of the PLS family sets a high standard for compact full range drivers intended for applications such as television soundbars and compact music systems. Design features in this family include a damped plastic basket with venting under the spider to aid cooling of the motor, a neodymium magnet motor with copper cap to lower coil inductance, providing low distortion at low frequencies and extended high frequency response. A black anodized aluminium cone is employed on the driver, along with a black anodized aluminium dust cap coupled directly to the voice coil. Additionally, the cones come equipped with special-designed large roll rubber surrounds, which allow for a dynamic linear response to high excursion input signals
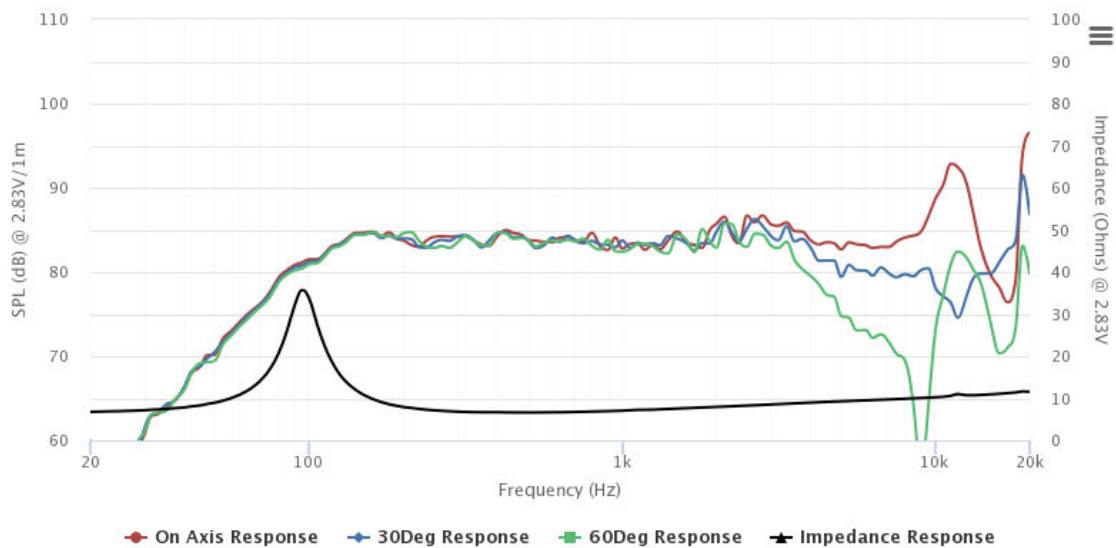


## Mechanical Drawing
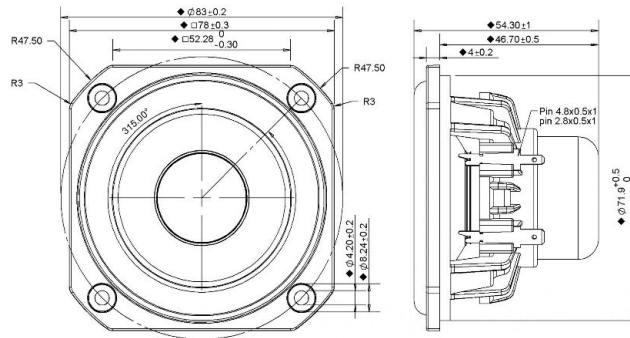


## Specifications

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| DC Resistance | Revc | Ohms | 6.22 | 5.0% | Energy Bandwidth Product | EBP | (1/Qes)*fs | | |
| Minimum Impedance | Zmin | Ohms | 6.62 | 7.5% | Moving Mass | Mms | g | | 2.6 |
| Voice Coil Inductance | Le | mH | 0.05 | | Suspension Compliance | Cms | um/N | | 897.1 |
| Resonant Frequency | Fs | Hz | 105.05 | 15% | Effective Cone diameter | D | cm | | 5.9 |
| Mechanical Q Factor | Qms | | 5.15 | | Effective Piston Area | Sd | cm^2 | | 27.3 |
| Electrical Q Factor | Qes | | 0.89 | | Effective Volume | Vas | L | | 0.94 |
| Total Q Factor | Qts | | 0.76 | | Motor Force Factor | BL | Tm | | 3.43 |
| Ratio Fs/Qts | F | Fs/Qts | 137.86 | | Motor Efficiency Factor | ß | (T*M^2)/Ohms | | 1.9 |
| Half Space Sensitivity @2.83V | db@2.83V/1M | dB | 84.02 | +/- 1.0db | Voice coil former Material | VCfm | | | ASV |
| Half Space Sensitivity @1W/1M | db@1W/1M | dB | 83.2 | +/- 1.0db | Voice coil inner diameter | VCd | mm | | 25.73 |
| Gap Height | Gh | mm | 4 | | Rated Noise Power | P | W | | 25 |
| Maximum Linear Excursion | Xmax | mm | 2.1 | | Test Spectrum Bandwidth | 100Hz - 20kHz | | | |
| Ferrofluid Type | FF | | | | Driver Size | Inch | 3 in | | |
| Driver Mass | Kg | 0.21 | | | | | | | |

## Frequency and Impedance Response



On Axis Response — 30Deg Response — 60Deg Response — Impedance Response

Highcharts.com