



SUF5015

2" Full Range Speaker Unit

The SUFR5015 is a 2-inch 12-ohm 15Watt full range speaker with powerful Neodymium motor.

Features:

- 2 layer Copper Clad Aluminium Wire (CCAW) voice coil, kapton coil.
- Tinsel leads from voice coil to terminal assembly are constructed by 0.1gram 12strands pure silver wire.
- Aluminium Dust Cap.
- 12-ohm version is optimized for 24V systems, 4-ohm version is available for enquiry.



T-S Parameters:

Resonance frequency [fs]	196Hz
Mechanical Q factor [Qms]	3.13
Electrical Q factor [Qes]	1.04
Total Q factor [Qts]	0.78
Force factor [Bl]	4.1Tm
Mechanical resistance [Rms]	0.52kg/s
Moving mass [Mms]	1.32g
Compliance [Cms]	49.56mcm/N
Effective diaph. diameter [D]	41mm
Effective piston area [Sd]	13.2cm ²
Equivalent volume [Vas]	0.17L
Sensitivity (2,83V/1m)	83dB

Power Handling:

Rated power input (IEC 268-5)	15W
Max power input (IEC 268-5)	20W

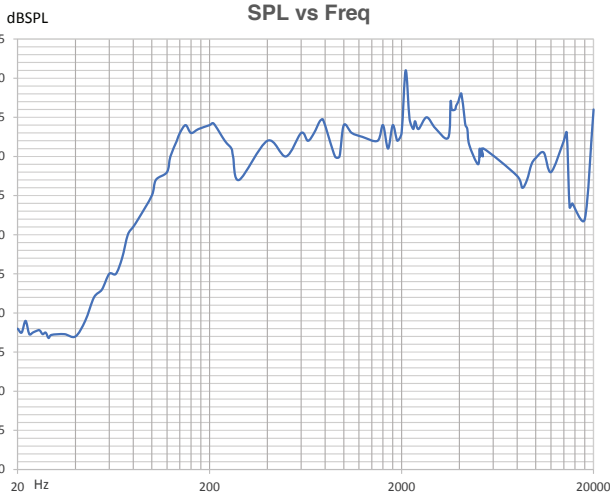
Electrical Data:

Normal impedance [Zn]	12Ω at 1kHz
Minimum impedance [Zmin]	11.5Ω
Maximum impedance [Zo]	49.5Ω
DC resistance [Re]	10.95Ω
Voice coil inductance [Le]	0.16mH at 2kHz

Mechanical Data:

Voice coil diameter	19.4mm
Voice coil height	6mm
Voice coil layers	2
Gap height	8mm
Linear excursion	± 12.5mm
Max mech. excursion	± 28mm
Unit weight	87.5g
Cabinet displacement volume	0.64L

Frequency Response



Mechanical Drawing

(Nominal Dimensions, mm)

