



LF15N401

WOOFER



Description	Incredibly linear frequency response characteristics, the highest power handling of any comparable 15-inch neodymium transducer, the lower power compression. The LF15N401 uses a fibre loaded cone assembly along with a high excursion triple roll, constant geometry surround. This combination provides remarkable strength and a peak to peak maximum excursion of 52mm. The unique Dual-forced air venting system guarantee a very efficient voice coil ventilation for minimum power compression and higher power handling.
--------------------	--

- | | |
|-----------------|---|
| Features | <ul style="list-style-type: none">› 4-inch, fiberglass inside/outside copper voice coil› 1800W continuous program power handling› 97 dB Sensitivity› 35 Hz – 1.5 kHz Frequency range› Dual-forced air ventilation and 15mm top plate for minimum power compression› Dual spider design with silicon based dampening control› Triple-roll surround and corrugated straight cone geometry |
|-----------------|---|

Part Number	11100013 LF15N401 8ohm
--------------------	------------------------------



LF15N401

WOOFER

TECHNICAL SPECIFICATIONS

General specifications

Nominal Diameter	15 inch / 381 mm
Rated Impedance	8 ohm
Program Power (watt)	1800 W
Power handling capacity	900 W
Sensitivity	97.0 dB
Frequency range	35 - 1500 Hz
Effective piston diameter	340 mm / 13.39 inch
Max. Excursion Before Damage	52 mm / 2.05 inch
Minimum Impedance (ohm)	6.3 ohm
Voice Coil Diameter	4.0 inch / 102 mm
Voice Coil Winding Material	Copper
Voice Coil Length	25 mm / 0.98 inch
Number of layers	2
Kind of layers	inside/outside
Top Plate Thickness	15 mm / 0.59 inch
Cone Design	Straight
Surround Material	Polycotton
Surround Design	Triple roll
Magnets	Neodymium
Dual-force air ventilation	Yes
Spider	Dual with silicon based damping control

Thiele - small parameters

Resonance frequency (Fs)	34 Hz
DC resistance (Re) (ohm)	5.10 ohm
Mechanical factor	5.80 Qms
Electrical factor	0.23 Qes
Total factor	0.22 Qts
Bl factor (Bl) (T x m)	27.80 T x m
Effective moving mass (Mms)	158.0 g
Equivalent Cas air loaded (Vas)	160.0 liters
Effective piston area (Sd)	0.090 m ²
Max. linear excursion (Xmax)	9 mm
Voice coil inductance @ 1kHz (Le1k)	2.50 mH
Half-space efficiency (Eff)	2.64%

Mounting information

Overall diameter	393 mm / 15.47 inches
Bolt circle diameter	371-376 mm / 14.61-14.8 inch
Bolt hole diameter	7 mm / 0.28 inch
Front mount baffle cut-out	354 mm / 13.94 inch
Rear mount baffle cut-out	354 mm / 13.94 inch
Volume occupied by the driver	3.8 liters / 0.15 ft ³

Standard compliance

Safety agency	CE compliant
---------------	--------------



LF15N401

WOOFER

Size / Weight

Height

160 mm / 6.3 inches

Diameter

393 mm / 15.47 inches

Weight

8.77 kg / 19.33 lbs



LF15N401

WOOFER

Line Art 2D

