## DATASHEET



# 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

- 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



#### **TECHNICAL SPECIFICATIONS**

Effective moving mass (Mms): Equivalent Cas air loaded (Vas): Effective piston area (Sd): Max. linear excursion (Xmax): Voice coil inductance @ 1kHz (Le1k): Half-space efficency (Eff): Overall diameter: Bolt circle diameter: Bolt hole diameter: Front mount baffle cut-out: Rear mount baffle cut-out: Volume occupied by the driver:	27.80 T x m 158.0 g 160.0 liters 0.090 m2 9 mm 2.50 mH 2.64% 393 mm / 15.47 inches 371-376 mm / 14.61-14.8 inch 7 mm / 0.28 inch 354 mm / 13.94 inch 354 mm / 13.94 inch 3.8 liters / 0.15 ft3
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	27.80 T y m
Bl factor (Bl) (T x m):	
	0.22 Qts
	5.80 Qms 0.23 Qes
	54 HZ 5.10 ohm
Desonance frequency (Ec):	34 Hz
Spider:	Dual with silicon based damping control
Dual-force air ventilation:	Yes
Magnets:	Neodymium
Surround Design:	Triple roll
Surround Material:	Polycotton
Cone Design:	Straight
Top Plate Thickness:	15 mm / 0.59 inch
Kind of layers:	inside/outside
Number of layers:	2
Voice Coil Length:	25 mm / 0.98 inch
Voice Coil Winding Material:	Copper
Voice Coil Diameter:	4.0 inch / 102 mm
	6.3 ohm
	52 mm / 2.05 inch
	340 mm / 13.39 inch
-	35 - 1500 Hz
	97.0 dB
	900 W
	1800 W
	15 inch / 381 mm 8 ohm
	Voice Coil Winding Material: Voice Coil Length: Number of layers: Kind of layers: Top Plate Thickness: Cone Design: Surround Material: Surround Design: Magnets: Dual-force air ventilation: Spider: Resonance frequency (Fs): DC resistance (Re) (ohm): Mechanical factor: Electrical factor: Total factor:

### DATASHEET



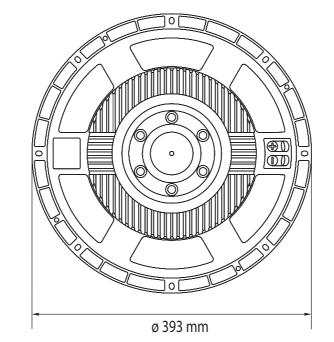
#### Size Height: 160 mm / 6.3 inches Diameter: 393 mm / 15.47 inches 8.77 kg / 19.33 lbs Weight: **Shipping informations** 215 mm / 8.46 inches Package Height: Package Width: 422 mm / 16.61 inches Package Depth: 442 mm / 17.4 inches 10.18 kg / 22.44 lbs Package Weight:

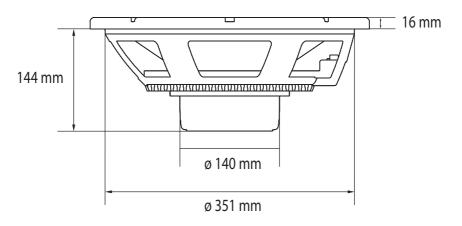
### PART NUMBER

## · 11100013

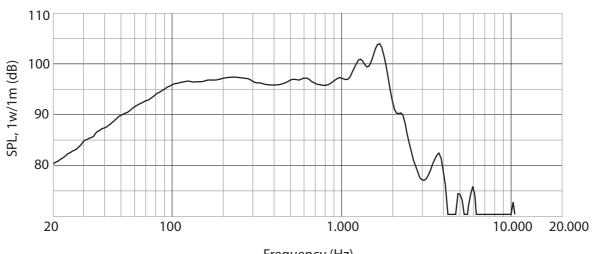
LF15N401 80hm



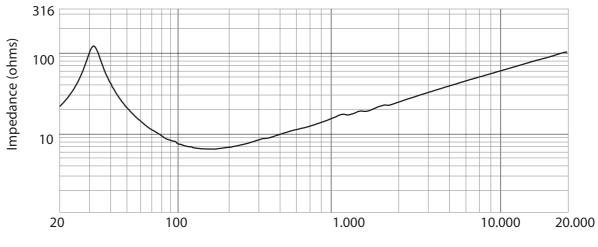








Frequency (Hz)



Frequency (Hz)