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

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 m2
	Max. linear excursion (Xmax)	9 mm
	Voice coil inductance @ 1kHz (Le1k)	2.50 mH
	Half-space efficency (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 ft3
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

