LF15G401

WOOOFER



Description

The LF15g401 is a 15-inch woofer with linear frequency response cheracteristics and very high power handling.
The LF15G401 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.

Features

› 4-inch, fiberglass inside/outside copper voice coil
› 1600W continuous program power handling
› 97 dB Sensitivity
› 30 Hz – 1.5 kHz Frequency range
› Dual spider design with silicon based dampening control
› Triple-roll surround and corrugated straight cone geometry

Part Number

11100014	LF15G401	8ohm

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TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	15 inch / 381 mm
	Rated Impedance	8 ohm
	Program Power (watt)	1600 W
	Power handling capacity	800 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)	6.1 ohm
	Voice Coil Diameter	4.0 inch / 102 mm
	Voice Coil Winding Material	Copper
	Voice Coil Length	23 mm / 0.91 inch
	Number of layers	2
	Kind of layers	inside/outside
	Top Plate Thickness	12 mm / 0.47 inch
	Cone Design	Straight
	Surround Material	Polycotton
	Surround Design	Triple roll
	Magnets	Ceramic
	Spider	Dual with silicon based damping control
Thiele - small parameters	Resonance frequency (Fs)	36 Hz
	DC resistance (Re) (ohm)	4.80 ohm
	Mechanical factor	6.20 Qms
	Electrical factor	0.27 Qes
	Total factor	0.26 Qts
	Bl factor (Bl) (T x m)	24.60 T x m
	Effective moving mass (Mms)	150.0 g
	Equivalent Cas air loaded (Vas)	150.0 liters
	Effective piston area (Sd)	0.090 m2
	Max. linear excursion (Xmax)	9 mm
	Voice coil inductance @ 1kHz (Le1k)	1.80 mH
	Half-space efficency (Eff)	2.50%
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	352 mm / 13.86 inch
	Rear mount baffle cut-out	360 mm / 14.17 inch
	Volume occupied by the driver	4.3 liters / 0.17 ft3
Standard compliance	Safety agency	CE compliant

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Size / Weight	Height	154 mm / 6.06 inches
	Diameter	393 mm / 15.47 inches
	Weight	13 kg / 28.66 lbs

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Line Art 2D

