

L15S801

WOOFER

DESCRIPTION

The L15S801 is the RCF classical high efficiency 15" woofer.

A perfect blend of voice coil length, moving mass weight and suspensions control makes this transducer the preferred solution for many speakers and rental companies. Voice coil construction, suspension and cone materials are upgrade in order to withstand up to 700 watt RMS power.



FEATURES

- 4-inch, fiberglass inside/outside copper voice coil
- 1400W continuous program power handling
- 99.5 dB Sensitivity
- 40 Hz - 1.5 kHz Frequency range
- Dual spider design with silicon based dampening control
- M-roll surround and exponential cone geometry

TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter:	15 inch / 381 mm
	Rated Impedance:	8 ohm
	Program Power (watt):	1400 W
	Power handling capacity:	700 W
	Sensitivity:	99.5 dB
	Frequency range:	40 - 1500 Hz
	Effective piston diameter:	330 mm / 12.99 inch
	Max. Excursion Before Damage:	48 mm / 1.89 inch
	Minimum Impedance (ohm):	8.0 ohm
	Voice Coil Diameter:	4.0 inch / 102 mm
	Voice Coil Winding Material:	Copper
	Voice Coil Length:	16 mm / 0.63 inch
	Number of layers:	2
	Kind of layers:	inside/outside
	Top Plate Thickness:	10 mm / 0.39 inch
	Cone Design:	Curved
	Surround Material:	Polycotton
	Surround Design:	M-roll
	Magnets:	Ceramic
	Dual-force air ventilation:	Yes
	Spider:	Dual with silicon based damping control
Thiele - small parameters	Resonance frequency (Fs):	48 Hz
	DC resistance (Re) (ohm):	6.10 ohm
	Mechanical factor:	11.00 Qms
	Electrical factor:	0.33 Qes
	Total factor:	0.32 Qts
	Bl factor (Bl) (T x m):	23.60 T x m
	Effective moving mass (Mms):	100.0 g
	Equivalent Cas air loaded (Vas):	113.0 liters
	Effective piston area (Sd):	0.090 m ²
	Max. linear excursion (Xmax):	6 mm
	Voice coil inductance @ 1kHz (Le1k):	0.80 mH
	Half-space efficiency (Eff):	3.65%
Mounting information	Overall diameter:	393 mm / 15.47 inches
	Bolt circle diameter:	371 mm / 14.61 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:	3.8 liters / 0.15 ft ³
Size	Height:	162 mm / 6.38 inches
	Diameter:	393 mm / 15.47 inches
	Weight:	11.5 kg / 25.35 lbs

Shipping information

Package Height:	209 mm / 8.23 inches
Package Width:	439 mm / 17.28 inches
Package Depth:	434 mm / 17.09 inches
Package Weight:	13 kg / 28.66 lbs

PART NUMBER

- **11100048**

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8ohm



