CX15N351

COAXIAL



Description

This CX15N351 is designed to provide an excellent frequency response linearity with very low distortion.
This coaxial use a strongest unique neodymium magnetic structure that guarantee high dynamic and sensitivity for both components. The mid-bass section use a 3,5” voice coil design provides a very high power handling, especially recommended in comparison to a standard 3" voice coil, demodulation ring get a fastest time response and lower distortion . The compression driver use a 2.5-inch diaphragm with a 1.4 inch throat featuring several state of the art technologies. The diaphragm and suspension are formed from 0.05mm thick pure titanium. The unique magnetic structure allow to get a single point source that providing coherent wave front.

Features

› 3.5 - inch Inside / Outside copper voice coli
› 900 Watt continuous program power LF
› 101 dB Sensitivity
› 40 Hz - 3 kHz Frequency range
› Dual - forced air ventilation for minimum power compression
› Dual spider design with silicon based damping control
› 2.5 - inc Diaphragm, 1.4 - inch Exit Throat / Pure Titanium Compression Driver
› 180 Wat Continuos program power HF
› Frequency range: 700 Hz - 20 kHz
› Direct Drive Voice Coil Assembly

Part Number

11100032	CX15N351	8ohm

Products are continually improved. All specifications are therefore subject to change without notice.

CX15N351

COAXIAL

TECHNICAL SPECIFICATIONS

General specifications	Nominal Diameter	15 inch / 381 mm
	Related Impedance	8.00 ohm
	Program Power	900 W
	Power handling capacity	450 W
	Sensitivity	101.0 dB
	Frequency range	40 - 3000 Hz
	Effective piston diameter	330 mm / 12.99 inch
	Max. Excursion Before Damage	39 mm / 1.54 inch
	Minimum Impedance (ohm)	6.8 ohm
	Voice Coil Diameter	3.5 inch / 89 mm
	Voice Coil Material	Copper
	Voice Coil Winding Depth	0.67 inch / 17 mm
	Kind of layers	inside/outside
	Top Plate Thickness	11 mm / 0.43 inch
	Cone Design	Curved
	Surround Material	Polycotton
	Surround Design	M-roll
	Magnets	Neodymium
	Dual-force air ventilation	Yes
	Demodulation Rings material	Aluminum
	Spider	Dual with silicon based damping control
Thiele - small parameters	Resonance frequency (Fs)	55 Hz
	DC resistance (Re) (ohm)	5.60 ohm
	Mechanical factor	6.00 Qms
	Electrical factor	0.27 Qes
	Total factor	0.26 Qts
	Bl factor (Bl) (T x m)	23.50 T x m
	Effective moving mass (Mms)	80.0 g
	Equivalent Cas air loaded (Vas)	110.0 liters
	Effettive piston area (Sd)	0.090 m2
	Max. linear excursion (Xmax)	6 mm
	Voice coil inductance @ 1kHz (Le1k)	1.65 mH
	Half-space efficency (Eff)	6.53%

CX15N351

COAXIAL

General specifications driver	Exit Throat Diameter	1.4 inch / 36 mm
	Related Impedance	8.00 ohm
	Program Power (watt)	180 W
	Power handling capacity (watt)	90 W
	Sensitivity	110 dB
	Frequency range driver	700 - 20000 Hz
	Diaphragm Material	Pure Titanium
	Suspension Material	Pure Titanium
	Suspension Design	Progressive
	Minimum Impedance (ohm)	7.90 ohm
	Voice Coil Diameter driver	2.5 inch / 63 mm
	Voice Coil Material	Edgewound Aluminum
	Number of layers	1.00
	Kind of layers	outside
	Flux Density	2.0 T
	Phase Plug Design	3 slot
	Phase Plug Material	Aluminum
	Magnetics	Neodymium
	Voice Coil Demodulation Ring	Copper
General specifications horn	Throat Diameter	36 mm / 1.4 inch
	Horizontal coverage angle	60°
	Vertical coverage angle	60°
	Cut-off Frequency	800 Hz
	Material	Structural Polyurethane
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
Line Art 2D	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
Size / Weight	Height	254 mm / 10 inches
	Diameter	393 mm / 15.47 inches
	Weight	7 kg / 15.43 lbs

