

The Radian 5210 coaxial loudspeaker brings the best of 1" compression driver technology together with an excellent high performance 10" low frequency transducer. The 5210 utilizes a 3" voice coil for the low frequency transducer and a full 1.75" voice coil in the compression driver.

Radian's compression drivers utilize aluminum domes with an industry pioneering Mylar® surround that greatly reduces harmonic distortion at the same time improving reliability over one-piece metal diaphragms. The compression driver mates directly to a 1" horn throat machined into the center of the LF pole piece. The horn flare is completed by the cone of the woofer, resulting in excellent polar response at mid range frequencies and beyond.

This transducer system is capable of producing extremely high SPL, 123 dB continuous. This output is achieved over a bandwidth of 46 Hz to 18 kHz with +/- 5 dB down points with 129 dB peak output levels.

Applications for the 5210 include demanding sound reinforcement main and monitor systems, and high ceiling convention center/ballroom installations where high SPL transducers are required.

The 5210 are normally equipped with an 8 ohm woofer and 8 ohm compression driver. A 16 ohm compression driver impedance is available on order.



- ✓ 1" THROAT 1.75" VOICE COIL COMPRESSION DRIVER
- ✓ 3" LF VOICE COIL
- ✓ 10" LOW FREQUENCY SECTION
- ✓ 90° CONICAL DISPERSION
- ✓ 375 WATTS AES  
750 WATTS PROGRAM
- ✓ CAST ALUMINUM FRAME
- ✓ HIGH SENSITIVITY



# 5210



## 10" COAXIAL LOUDSPEAKER

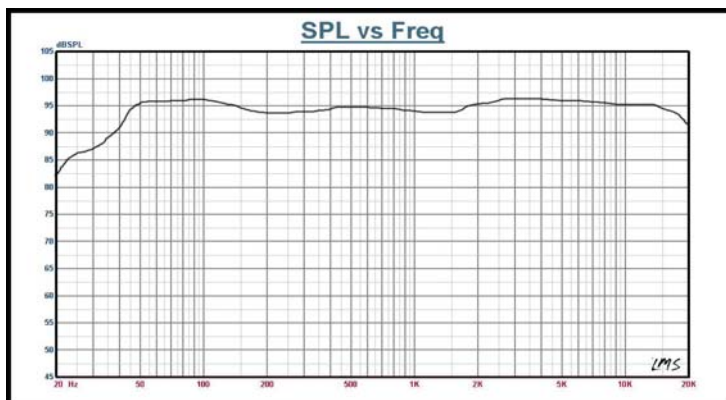
### SPECIFICATIONS

FREQUENCY RESPONSE	46 Hz – 18 kHz
MAXIMUM POWER HANDLING *	375 watts AES/750 watts program
SENSITIVITY **	95 dB
RECOMMENDED CROSSOVER ***	1500Hz
NOMINAL IMPEDANCE	HF: 8 ohms, LF: 8 ohms
VOICE COIL DIAMETER (LF/HF)	3.0"/1.75"(76.2mm/44.45mm)
NOMINAL DISPERSION	90°
WOOFER CONE MATERIAL	Reinforced Paper
DIAPHRAGM MATERIAL	0.002" Aluminum
BASKET MATERIAL	Cast Aluminum
OVERALL DIAMETER	10.50"(266.70mm)
MOUNTING BOLT CIRCLE	9.75" (247.65mm)
CUT-OUT DIAMETER	9.1875" (233.36mm)
OVERALL DEPTH	6.125" (155.57mm)
INPUT CONNECTORS :	
HF	0.25 Terminals (6.35mm)
LF	Pushbutton Terminals
WEIGHT	13.15 lbs. (5.965 kg)
THIELE/SMALL PARAMETERS :	
QTS	0.430
QMS	9.718
QES	0.450
VAS	16.728m cuM
Fs (Hz)	67 Hz
XMAX (IN)	+/- 0.183" +/- (4.65mm)
RE (Ω)	5.00
SD (mm <sup>2</sup> )	29.511m sqM

\*EIA Standard RS-426A

\*\*One watt at one meter

\*\*\*24 dB/octave



Specifications subject to change without notice.

#### LIMITED WARRANTY

Radian Audio Engineering, Inc. products, when sold domestically, are guaranteed for a period of five (5) years from the date of original purchase against malfunctions due to defects in workmanship. If such a malfunction occurs, the product will be repaired or replaced at our option, without charge, if delivered prepaid to the factory. Product will be returned prepaid via ground transport. This warranty does not extend to damage resulting from improper installation, misuse, neglect or abuse. The warranty does not apply to external finish or appearance. The warranty does not apply to burnt voice coils. In no event shall Radian Audio Engineering, Inc. be liable for incidental or consequential damages including, without limitation, injury to persons or property or loss of use.

600 N. Batavia Street  
Orange, CA 92868  
Phone: (714) 288-8900  
Fax: (714) 288-1133  
E-mail: [radian@radianaudio.com](mailto:radian@radianaudio.com)  
Web: [www.radianaudio.com](http://www.radianaudio.com)