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Loudspeakers - Component



CO1250

12" Round Diecast Coaxial Loudspeaker, 125 Watt, 50 Oz.

FEATURES

- 12" Round Diecast Coaxial Loudspeaker
- Transformer Mounting Facilities Available On Request
- Compliant High Quality Treated Cloth Cone Edge, Longer Speaker Life
- High Powered, Wide Smooth Frequency Range Loudspeaker
- Piezo Rear Horn Loaded Co-axial For Reaching Extended Frequency Response



POWER:	125 Watts R.M.S., 2" Edge Wound Voice Coil
FREQUENCY RESPONSE:	45 - 20,000 Hz. +/- 5dB
INPUT:	8 Ohm, optional line matching transformers available
TRANSFORMER TAPS:	Optional, see chart below
SENSITIVITY:	95dB (1W1M) Average over given frequency response
DIMENSIONS:	12-1/4"(31.1cm) round, 6-1/4"(15.9cm) deep
DISPERSION ANGLES:	-3dB down at 40 degrees, -6dB down at 100 degrees
DISTORTION:	3.5% max over rated frequency response

The CO1250 is a high quality, Canadian made 12" 50oz. 125 Wrms. coaxial loudspeaker. This model is designed to be used in restaurants, night clubs, lounges, theaters, airports, shopping malls, houses of worship, or other high ceiling, high ambient noise installations. This speaker is both economically priced, and is High Quality. For optimum results, use this unit in Arnscott High Volume Enclosures, with a minimum of 2-3 cubic feet. The CO1250 can be equipped with field mounted transformer facilities for our high quality Models: A70-16, A70-32 and A70-64 transformers (order separately).

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SPECIFICATIONS

ARCHITECTS AND ENGINEERS SPECIFICATIONS

The loudspeaker shall be AEG Model CO1250 or approved equal. The unit shall be a twelve inch, permanent magnet, paper cone type, using a 50oz. oriented ferrite magnet with 2" edge wound voice coil on the low frequency part of the driver. The continuous power rating shall be 125 watts R.M.S., and the uniform frequency range shall be from 45 to 18,000 Hertz. The minimum axial sensitivity of the CO1250 shall be 95dB (at 1m with 1 watt input). The tweeter shall be a Motorola Power Series, power limiting horn type piezo-electric. This tweeter shall be horn loaded, with a focused horn machined into the through yoke vent. This through yoke horn loading design allows for better frequency response characteristics than the typical front loaded tweeter. The depth of the CO1250 shall not exceed 15.9cm(6 1/4") + 1.27cm(1/2") front flange. The CO1250 shall be used wherever an extended range, twelve inch, high power co-axial loudspeaker is required.

SPEAKER / TRANSFORMER COMBINATIONS AVAILABLE						
Model Number	Transformer	Transformer Voltage	Transformer Max. Power	Transformer Power taps (Watts)	Transformer Frequency Response	Insertion Loss
C125-716	A70-16	70.7V	16W	2, 4, 8, 16	±1.0dB. 45 - 15kHz.	0.6dB.
C125-732	A70-32	70.7V	32W	8, 16, 32	±1.0dB. 35 - 15kHz.	0.6dB.

Note: Transformer must be specified at time of order for mounting holes to be added to speaker frame at the factory.