

## 15C682

Neodymium Coaxial Transducer



### Features:

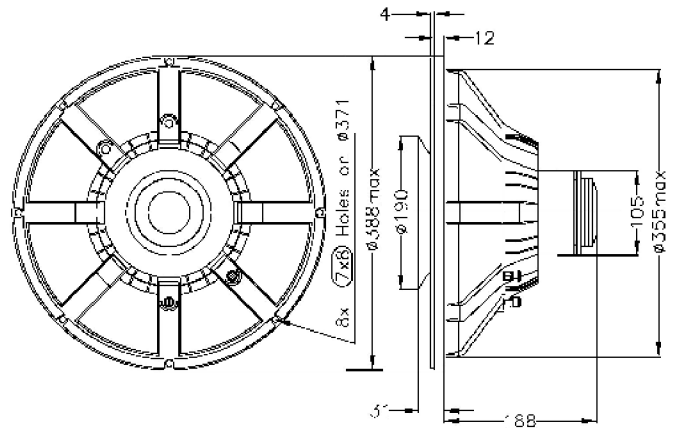
- Neodymium coaxial transducer
- 98dB sensitivity 1W/1m
- 500 W + 80 W Power handling
- 3" copper sandwich voice coil
- Triple aluminium demodulating rings
- conical 60° waveguide for precise directivity
- Single point source providing coherent wave front
- Very high SPL, superb quality sound
- Optimal for compact two-way systems

## SPECIFICATIONS

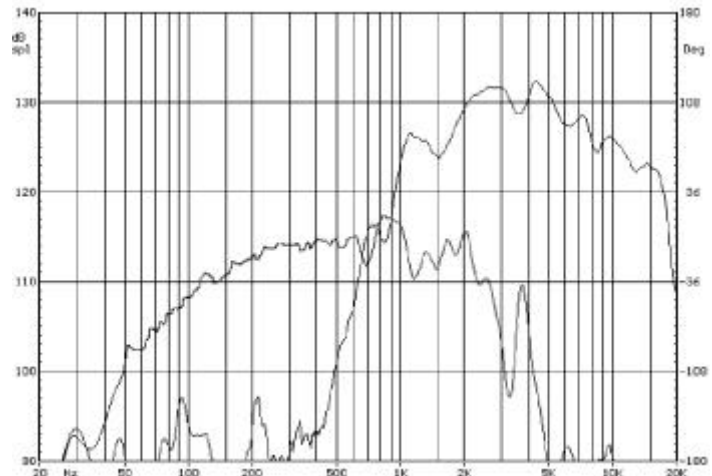
APPLICATION	Transducer	
Nominal impedance	Ohm	8
Power handling AES noise	W	500
Sensitivity ( 1W/1m )	dB	98
Frequency response	Hz	40 - 20000
Voice coil diameter	mm	77 (3")
Voice coil material		Cu
Voice coil winding depth	mm	19
Basket		Cast Aluminium
Effect. diaphragm diameter D	mm	335

THILE - SMALL PARAMETERS			
Resonance frequency	Fs	Hz	40.7
DC resistance	Re	Ohm	5.90
Mechanical Q factor	Qms		6.28
Electrical Q factor	Qes		0.32
Total Quality factor	Qts		0.31
Equivalent volume	Vas	L	136.3
Moving mass	Mms	kg	0.108
Mechanical compl.	Cms	mm/N	0.140
BL factor	BL	Tesla/ m	22.90
Effective piston area	Sd	m <sup>2</sup>	0.0834
Max. linear excursion	Xmax	mm	± 5.5

SPECIFICATIONS HIGH FREQUENCY		
Nominal impedance	Ohm	8
Power handling AES	W	80
Peak Power	W	450
Sensitivity ( 1W/1m )	dB	113
Frequency range	Hz	600 - 20000
Recommended crossover	Hz	1200
Voice coil diameter	mm	44.4 (1.75")
Magnet material		Neodymium
Flux density	T	2.2
Voice coil material	Copper Clad Aluminium (2Layers in and outside of the VC)	
Voice coil former		Kapton™
Diaphragm material		Polyester



Frequency response, 10 W @ 1m incl. 2nd and 3rd harmonic distortion raised 20dB.



MOUNTING INFORMATION		
Overall diameter	mm	388
Mounting holes diameter	mm	7 x 8
Bolt circle diameter	mm	371
Baffle cut-out diameter	mm	358
Overall depth	mm	219
Net weight	kg	4.5