15CN682

Neodymium Coaxial Transducer



Features:

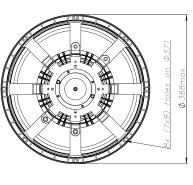
- Neodymium coaxial transducer
- 98dB sensitivity 1W/1m
- 500W + 80W Power handling
- 3" copper sandwich voice coil
- Triple aluminium demodulating rings
- conical 60° waveguide for precise directivity
- Single point source providing coherent wave front
- Very high SPL, superb quality sound
- Optimal for compact 2-way systems

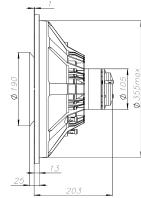
SPECIFICATIONS

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 diameter mm 19 Magnet gap depth mm 8 Basket Cast Aluminium Effect. diaphragm diameter D mm 335 THIELE - SMALL PARAMETERS Resonance frequency Fs Hz 39 DC resistance Re Ohm 5.80 Mechanical Q factor Qms 6.86 Electrical Q factor Qes 0.37 Total Quality factor Qts 0.35 Equivalent volume Vas L 157.8 Moving mass Mms kg 0.107 Mechanical compl. Cms mm/N 0.160 BL factor BL Tesla/ m 20.17 Effective piston area Sd m² 0.0850 Max. linear excursion Xmax mm ± 5.5 <tr< th=""><th>APPLICATION</th><th colspan="2">Transducer</th></tr<>	APPLICATION	Transducer			
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Total Quality factor Equivalent volume Vas L 157.8 Moving mass Mms kg 0.107 Mechanical compl. Cms mm/N 0.160 BL factor BL Tesla/ m 20.17 Effective piston area Sd m² 0.0850 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 Recommended crossover Hz 1200 Voice coil diameter Magnet material Neodymium Fluchs density T 2.2 Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former	Mechanical Q factor	Qms		6.86	
Equivalent volume Moving mass Mms Mg 0.107 Mechanical compl. BL Gres Mm/N 0.160 BL Tesla/ m 20.17 Effective piston area Sd Max. linear excursion SPECIFICATIONS HIGH FREQUENCY Nominal impedance Ohm Power handling AES Peak Power W 450 Sensitivity (1W/1m) dB 113 Frequency range Recommended crossover Hz 1200 Voice coil diameter Magnet material Fluchs density T 2.2 Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former	Electrical Q factor	Qes		0.37	
Moving massMmskg0.107Mechanical compl.Cmsmm/N0.160BL factorBLTesla/ m20.17Effective piston areaSdm²0.0850Max. linear excursionXmaxmm± 5.5SPECIFICATIONS HIGH FREQUENCYNominal impedanceOhm8Power handling AESW80Peak PowerW450Sensitivity (1W/1m)dB113Frequency rangeHz600-20.000Recommended crossoverHz1200Voice coil diametermm44.4 (1.75")Magnet materialNeodymiumFluchs densityT2.2Voice coil materialCopper Clad AluminiumVoice coil formerKapton™	Total Quality factor	Qts		0.35	
Mechanical compl.Cmsmm/N0.160BL factorBLTesla/ m20.17Effective piston areaSdm²0.0850Max. linear excursionXmaxmm± 5.5SPECIFICATIONS HIGH FREQUENCYNominal impedanceOhm8Power handling AESW80Peak PowerW450Sensitivity (1W/1m)dB113Frequency rangeHz600-20.000Recommended crossoverHz1200Voice coil diametermm44.4 (1.75")Magnet materialNeodymiumFluchs densityT2.2Voice coil materialCopper Clad AluminiumVoice coil formerKapton™	Equivalent volume	Vas	L	157.8	
BL factor Effective piston area Sd m² 0.0850 Max. linear excursion SPECIFICATIONS HIGH FREQUENCY Nominal impedance Power handling AES Peak Power Sensitivity (1W/1m) Frequency range Recommended crossover Hz Hz Magnet material Fluchs density Voice coil material Voice coil former BL Tesla/ m 20.17 Max BD 20.17 Max MB 4 5.5 BA 80 BB BB BB BB BC BC BC BC BC B	Moving mass	Mms	kg	0.107	
Effective piston area Max. linear excursion Smax SPECIFICATIONS HIGH FREQUENCY Nominal impedance Power handling AES Peak Power Sensitivity (1W/1m) Frequency range Recommended crossover Hz 1200 Voice coil diameter Magnet material Fluchs density Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former Vanax mm 4.5.5 M80 80 80 80 80 80 80 80 80 8	Mechanical compl.	Cms	mm/N	0.160	
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 600-20.000 Recommended crossover Hz 1200 Voice coil diameter mm 44.4 (1.75") Magnet material Neodymium Fluchs density T 2.2 Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former Kapton™	BL factor	BL	Tesla/ m	20.17	
SPECIFICATIONS HIGH FREQUENCY Nominal impedance Power handling AES Peak Power Sensitivity (1W/1m) Frequency range Recommended crossover Hz Hz 600-20.000 Recommended crossover Hz 1200 Voice coil diameter mm 44.4 (1.75") Magnet material Fluchs density T 2.2 Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former Kapton™	Effective piston area	Sd	m²	0.0850	
Nominal impedance Power handling AES W 80 Peak Power W 450 Sensitivity (1W/1m) Generativity (1W/1m) Hz Frequency range Recommended crossover Hz 1200 Voice coil diameter Magnet material Fluchs density T 2.2 Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former Cobman Kapton™	Max. linear excursion	Xmax	mm	± 5.5	
Power handling AES Peak Power Sensitivity (1W/1m) Frequency range Recommended crossover Voice coil diameter Magnet material Fluchs density Voice coil material Voice coil former W 80 450 450 480 113 Frequency range Hz 600-20.000 Hz 1200 What 1200 Neodymium T 2.2 Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former	SPECIFICATIONS HIGH FREQUENCY				
Peak Power Sensitivity (1W/1m) Frequency range Recommended crossover Voice coil diameter Magnet material Fluchs density Voice coil material Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former	Nominal impedance	Ohm	8		
Sensitivity (1W/1m) Frequency range Recommended crossover Voice coil diameter Magnet material Fluchs density Voice coil material Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former	Power handling AES	W	80		
Frequency rangeHz600-20.000Recommended crossoverHz1200Voice coil diametermm44.4 (1.75")Magnet materialNeodymiumFluchs densityT2.2Voice coil materialCopper Clad Aluminium(2Layers in and outside of the VC)Voice coil formerKapton™	Peak Power	W	450		
Recommended crossover Hz 1200 Voice coil diameter mm 44.4 (1.75") Magnet material Neodymium Fluchs density T 2.2 Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former Kapton™	Sensitivity (1W/1m)	dB	113		
Voice coil diameter mm 44.4 (1.75") Magnet material Neodymium Fluchs density T 2.2 Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former Kapton™	Frequency range	Hz	600-20.000		
Magnet material Neodymium Fluchs density T 2.2 Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former Kapton™	Recommended crossover	Hz	1200		
Fluchs density T 2.2 Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former Kapton™	Voice coil diameter	mm	44.4 (1.75")		
Voice coil material Copper Clad Aluminium (2Layers in and outside of the VC) Voice coil former Kapton™	Magnet material				
(2Layers in and outside of the VC) Voice coil former Kapton™	Fluchs density	Т	2.2		
Voice coil former Kapton™	Voice coil material	Copper	Clad Aluminium		
		(2Layer			
Diaphragm material Polyester	Voice coil former		Kapton™		
	Diaphragm material		Polyester		

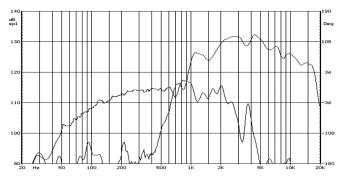
Recommended reflex enclosure:

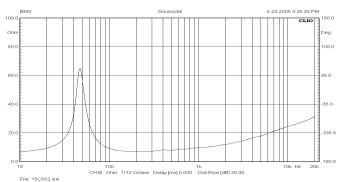
60L/50Hz, -3dB=56Hz, BRD=130mm/150mm long 80L/45Hz, -3dB=50Hz, BRD=140mm/162mm long





Frequency response measured 10W (8.94V) at 1m in a closed enclosure of 100 litre.





MOUNTING INFORMATION		
Overall diameter	mm	388
Mounting holes diameter	mm	8 x (7 x 8)
Bolt circle diameter	mm	371
Baffle cut-out diameter	mm	358
Overall depth	mm	215
Net weight	kg	5.2