

danish sound technology



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PEERLESS COMPONENT SYSTEMS - DEFINITION SERIES



DEFINITION SERIES

engineered using the finest materials to produce a beautifully natural and undistorted sound stage

The definition series is one of the most ideal automotive speaker solutions. Advanced materials achieve a light-weight unit with the ability to withstand temperature and humidity extremes. All aspects of this high performance Component System provide a long life, high power, and most important of all, a natural and undistorted sound stage that is realistic, accurate and enjoyable.

WOOFER DETAILS

Non-Resonant Glass Resin basket
Robust Butyl rubber roll surround
Fibrous pulp NRSC cone, AG Resin duped
Long-life Linear Nomex former interleave
Black anodized aluminum voice coil former
True Audiophile quality and performance.

TWEETER DETAILS

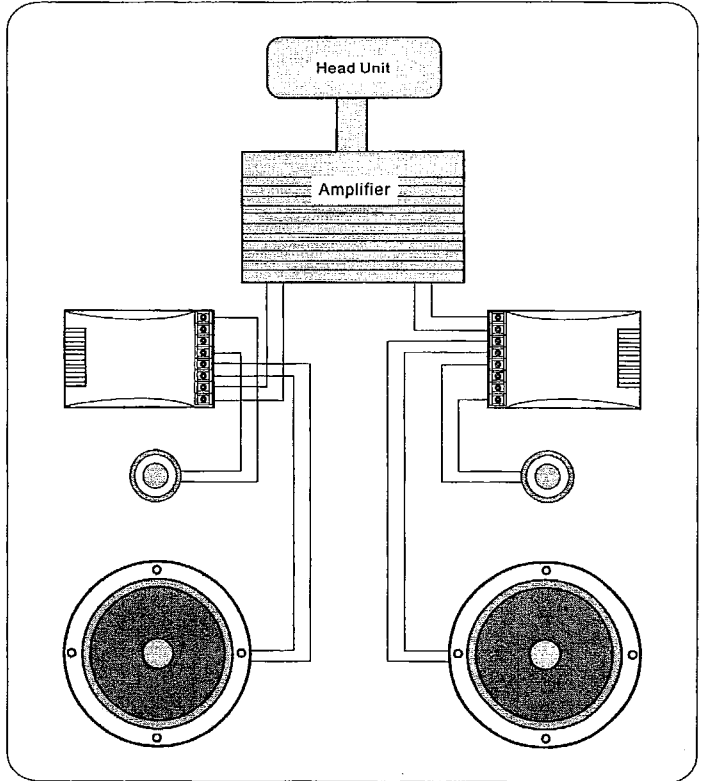
1" Ferro-Fluid cooled Neodymium
high power textile dome tweeter
Flush and Angle mounting options
24dB per octave crossover
Premium quality components
Selectable 3 position attenuator

Model	D5	D6
Size	5 Inch	6 Inch
Frequency Res.	60-22Khz +/-3dB	50-22Khz +/-3dB
Sensitivity	97dB at 0.5m 2.83v	98dB at 0.5m 2.83v
Power RMS	70W	80W
Power Peak	140W	160W
Impedance	3 Ohm	3 Ohm
X-Over Slope	24dB/Oct ASC	24dB/Oct ASC
Woofer Mounting Details		
Fitting Hole	115mm	146mm
Mounting Depth	57mm	68mm
Tweeter Mounting Details		
Cut Out Hole	48mm	48mm

WIRING

- 1) DEFINITION System Wiring Diagram.
- 2) Figure shows how the system should
- 3) be installed.

It's important to make sure that all connections are in phase, an out-of-phase connection will disturb sound image and lower the bass output.



SPECIFICATIONS

DEFINITION System Specifications	D.4	D.5	D.6
Frequency Response	70-22KHz +/-3dB	60-22KHz +/-3dB	50-22KHz +/-3dB
Sensitivity	96dB at 0.5m, 2.83v	97dB at 0.5m, 2.83v	98dB at 0.5m, 2.83v
Continuous Power Handling	60W	70W	80W
Peak Program Power Handling	120W	140W	160W
Nominal Impedance	3Ω	3Ω	3Ω
Crossover Slope	24dB/oct ASC	24dB/oct ASC	24dB/oct ASC
Woofer Cut out Panel hole	Φ 91	Φ 115	Φ 146
Mounting Depth	54mm	57mm	68mm

TWEETER SPECIFICATIONS

Frequency Response	2500-22KHz +/-3dB
Sensitivity	98dB SPL at 0.5m, 2.83V
Nominal Impedance	4Ω
Cut out panel hole	Φ 48

Definition 5" Automotive

Type Number: 822000

Features:

Driver Highlights: 5" component kit, 140 Watt, 4Ohm, 24 db Crossover

5" Woofer :

Freq. Response 60-22KHz +/-3db ,
Sensitivity 97db SPL at 0.5M, 2.83V
Power 70W continuous, 140W max
Nominal Impedance 3 Ω

Cut out panel hole: 115 mm, Mounting Depth 57mm

1" Tweeter :

Freq. Response 2500-22KHz +/-3db ,
Sensitivity 98db SPL at 0.5M, 2.83V
Nominal Impedance 4 Ω

Cut out panel hole: 48 mm



Specs:

Electrical Data

Nominal impedance	Zn	--	ohm
Minimum impedance	Zmin	--	ohm
Maximum impedance	Zo	--	ohm
DC resistance	Re	--	ohm
Voice coil inductance	Le	--	mH
Capacitor in series with x ohm	Cc	--	uF

T-S Parameters

Resonance Frequency	fs	--	Hz
Mechanical Q factor	Qms	--	
Electrical Q factor	Qes	--	
Total Q factor	Qts	--	
Force factor	Bl	--	Tm
Mechanical resistance	Rms	--	Kg/s
Moving mass	Mms	--	g
Suspension compliance	Cms	--	mm/N
Effective cone diameter	D	--	cm
Effective piston area	Sd	--	cm ²
Equivalent volume	Vas	--	ltrs
Sensitivity (2.83V/1m)		--	dB
Ratio BL/√(Re)		--	
Ratio fs/Qts	F	--	

Power handling

100h RMS noise test (IEC)	--	W
Long-term Max Power (IEC 18.3)	70	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power (IEC 18.2)	140	W

Voice Coil and Magnet Parameters

Voice coil diameter	--	mm
Voice coil height	--	mm
Voice coil layers	--	
Height of the gap	--	mm
Linear excursion +/-	--	mm
Max mech. excursion +/-	--	mm
Flux density of gap	--	mWb
Total useful flux	--	mWb
Diameter of magnet	--	mm
Height of magnet	--	mm
Weight of magnet	--	Kg

Notes:
IEC specs refer to IEC 60268-5 third edition.
All Tympany products are RoHS compliant.