

## 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 <sup>2</sup>
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 Tymphany products are RoHS compliant.

Frequency: 822000

Mechanical Dimensions:822000

