

12" Automotive



Type Number: 822008

Features:



Specs:

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	4.5	ohm
Maximum impedance	Zo	67.8	ohm
DC resistance	Re	3.5	ohm
Voice coil inductance	Le	5.3	mH
Capacitor in series with x ohm	Cc	--	uF

T-S Parameters

Resonance Frequency	fs	30	Hz
Mechanical Q factor	Qms	8.24	
Electrical Q factor	Qes	0.45	
Total Q factor	Qts	0.43	
Force factor	Bl	15.6	Tm
Mechanical resistance	Rms	3.81	Kg/s
Moving mass	Mms	166.5	g
Suspension compliance	Cms	0.17	mm/N
Effective cone diameter	D	24.4	cm
Effective piston area	Sd	466	cm ²
Equivalent volume	Vas	50.7	ltrs
Sensitivity (2.83V/1m)		89.7	dB
Ratio BL/√(Re)		--	
Ratio fs/Qts	F	70	

Power handling

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

Voice Coil and Magnet Parameters

Voice coil diameter	51	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.

