

## Car CD 8" Automotive



Type Number: 850519

### Features:



### Specs:

#### Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3.4	ohm
Maximum impedance	Zo	31.4	ohm
DC resistance	Re	3.1	ohm
Voice coil inductance	Le	1.2	mH
Capacitor in series with x ohm	Cc	38	uF

#### T-S Parameters

Resonance Frequency	fs	35.2	Hz
Mechanical Q factor	Qms	4.57	
Electrical Q factor	Qes	0.5	
Total Q factor	Qts	0.45	
Force factor	Bl	6.6	Tm
Mechanical resistance	Rms	1.54	Kg/s
Moving mass	Mms	31.8	g
Suspension compliance	Cms	0.64	mm/N
Effective cone diameter	D	17.3	cm
Effective piston area	Sd	235	cm <sup>2</sup>
Equivalent volume	Vas	49.1	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)	150	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power (IEC 18.2)	--	W

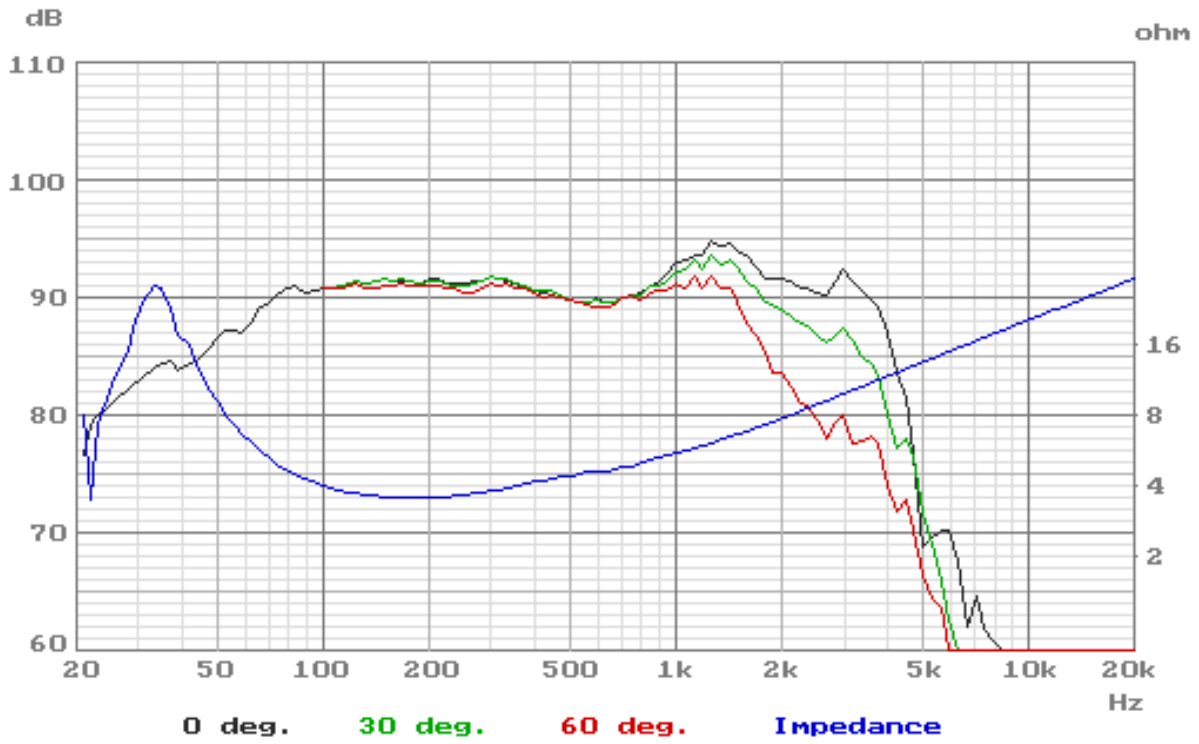
#### Voice Coil and Magnet Parameters

Voice coil diameter	33	mm
Voice coil height	17	mm
Voice coil layers	4	
Height of the gap	6	mm
Linear excursion +/-	--	mm
Max mech. excursion +/-	--	mm
Flux density of gap	0.95	mWb
Total useful flux	0.9	mWb
Diameter of magnet	102	mm
Height of magnet	20	mm
Weight of magnet	0.668	Kg

#### Notes:

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

Frequency:



Mechanical Dimensions:

