

## Car CD 5" Automotive



Type Number: 830512

### Features:

Driver Highlights: Cast diaphragm, 26 mm coil, logo



### Specs:

#### Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3.6	ohm
Maximum impedance	Zo	22.8	ohm
DC resistance	Re	3.3	ohm
Voice coil inductance	Le	6	mH
Capacitor in series with x ohm	Cc	22	uF

#### T-S Parameters

Resonance Frequency	fs	67.5	Hz
Mechanical Q factor	Qms	3.48	
Electrical Q factor	Qes	0.59	
Total Q factor	Qts	0.5	
Force factor	Bl	4.8	Tm
Mechanical resistance	Rms	1.17	Kg/s
Moving mass	Mms	9.6	g
Suspension compliance	Cms	0.58	mm/N
Effective cone diameter	D	10.8	cm
Effective piston area	Sd	91	cm <sup>2</sup>
Equivalent volume	Vas	6.6	ltrs
Sensitivity (2.83V/1m)		90.1	dB
Ratio BL/√(Re)		129	
Ratio fs/Qts	F	--	

#### Power handling

100h RMS noise test (IEC)	--	W
Long-term Max Power (IEC 18.3)	110	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power (IEC 18.2)	--	W

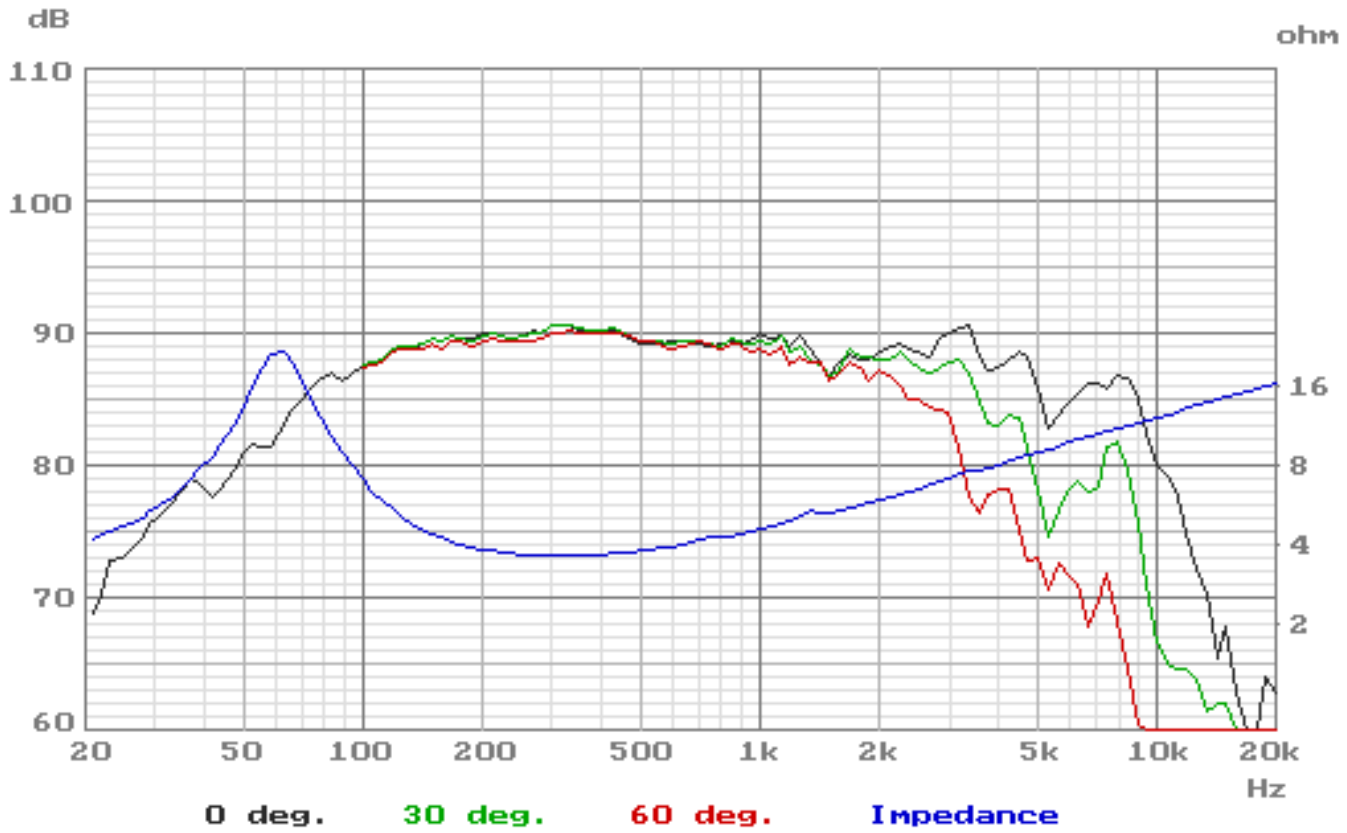
#### Voice Coil and Magnet Parameters

Voice coil diameter	26	mm
Voice coil height	10	mm
Voice coil layers	2	
Height of the gap	6	mm
Linear excursion +/-	--	mm
Max mech. excursion +/-	--	mm
Flux density of gap	1.02	mWb
Total useful flux	0.7	mWb
Diameter of magnet	81	mm
Height of magnet	15	mm
Weight of magnet	0.32	Kg

#### Notes:

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

Frequency: 830512



Mechanical Dimensions:830512

