

Car CD 4" Automotive



Type Number: 830516

Features:

Driver Highlights: Cast diaphragm, 26 mm coil, logo



Specs:

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3.7	ohm
Maximum impedance	Zo	24.1	ohm
DC resistance	Re	3.4	ohm
Voice coil inductance	Le	0.5	mH
Capacitor in series with x ohm	Cc	19	uF

T-S Parameters

Resonance Frequency	fs	81.1	Hz
Mechanical Q factor	Qms	3.56	
Electrical Q factor	Qes	0.58	
Total Q factor	Qts	0.5	
Force factor	Bl	4	Tm
Mechanical resistance	Rms	0.78	Kg/s
Moving mass	Mms	5.5	g
Suspension compliance	Cms	0.7	mm/N
Effective cone diameter	D	8.6	cm
Effective piston area	Sd	58	cm ²
Equivalent volume	Vas	3.3	ltrs
Sensitivity (2.83V/1m)		89.4	dB
Ratio BL/√(Re)		155	
Ratio fs/Qts	F	--	

Power handling

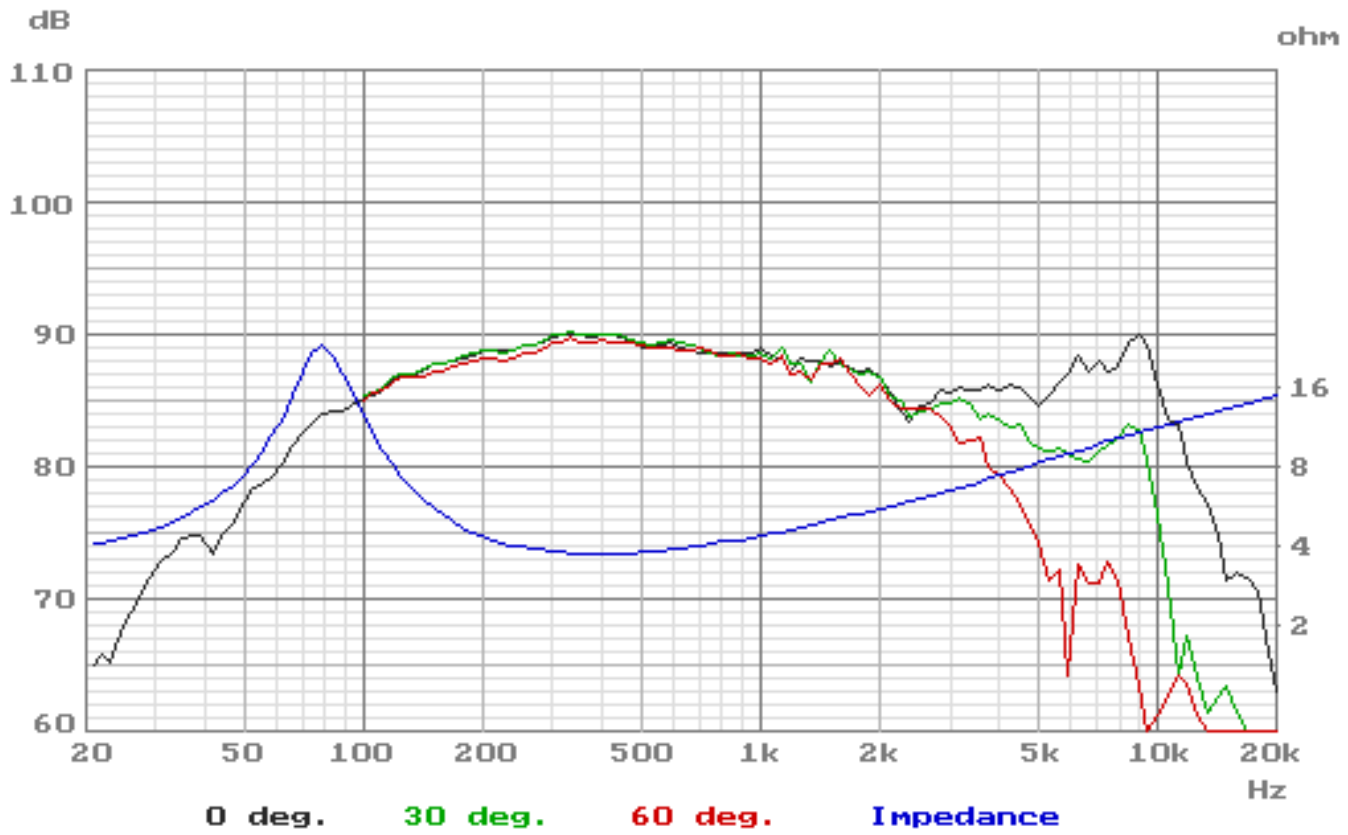
100h RMS noise test (IEC)	--	W
Long-term Max Power (IEC 18.3)	100	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power (IEC 18.2)	--	W

Voice Coil and Magnet Parameters

Voice coil diameter	26	mm
Voice coil height	7	mm
Voice coil layers	2	
Height of the gap	6	mm
Linear excursion +/-	--	mm
Max mech. excursion +/-	--	mm
Flux density of gap	0.94	mWb
Total useful flux	0.62	mWb
Diameter of magnet	72	mm
Height of magnet	15	mm
Weight of magnet	0.23	Kg

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

Frequency: 830516



Mechanical Dimensions:830516

