

Illuminator 1" Tweeter



Type Number: D3004/602000

Features:

The Illuminator tweeters continue on with the heritage of the renowned Revelator D29. The large-roll surround and textile dome diaphragm provide a flat frequency response to above 30KHz with outstanding off-axis dispersion.

The face plates are die cast in aluminum for a beautiful look with maximum mechanical stability.

D3004/602000 is optimized to offer small package sizes that can fit into tight spaces such as compact cabinets and automotive trim pieces.

The back chamber is die cast in aluminium and designed with a contoured shape that functions as a heat sink in high power applications.

Driver Highlights: 1" soft dome, compact size, ring neodymium magnet, aluminium faceplate and house, protective grill.



Specs:

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3.5	ohm
Maximum impedance	Zo	10.8	ohm
DC resistance	Re	3	ohm
Voice coil inductance	Le	0.02	mH

T-S Parameters

Resonance Frequency	fs	700	Hz
Mechanical Q factor	Qms	4.15	
Electrical Q factor	Qes	1.6	
Total Q factor	Qts	1.15	
Force factor	Bl	1.7	Tm
Mechanical resistance	Rms	0.4	Kg/s
Moving mass	Mms	0.35	g
Suspension compliance	Cms	0.15	mm/N
Effective cone diameter	D	--	cm
Effective piston area	Sd	7	cm ²
Equivalent volume	Vas	--	ltrs
Sensitivity (2.83V/1m)		89.2	dB

Power handling

100h RMS noise test (IEC)	50	W
Long-term Max Power (IEC 18.3)	130	W
Short Term Max power (IEC 18.2)	--	W

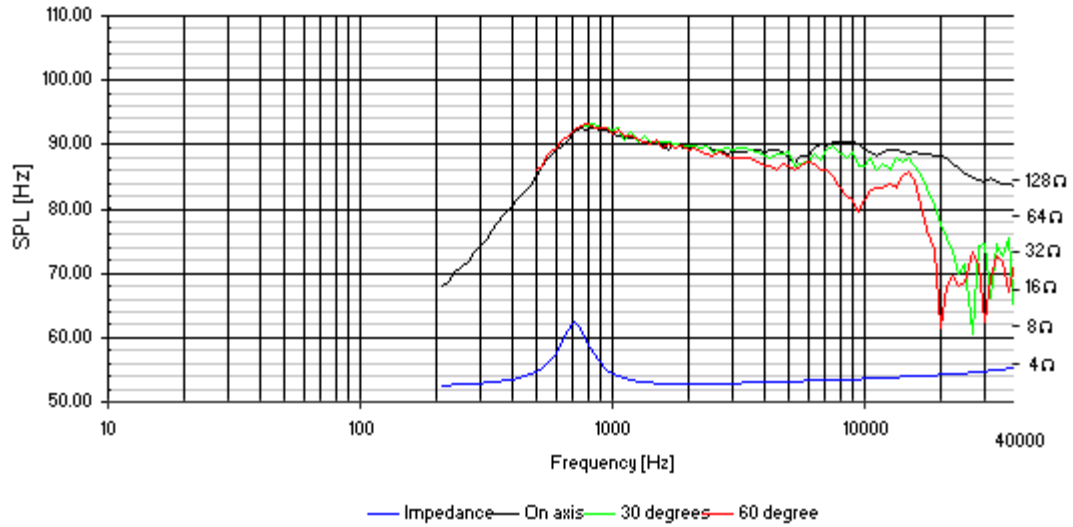
Note: IEC 268-5 noise signal is used for the powertest. Long term power test is a recommended system amplifier size. Tested according to IEC 268-5 chapter 18.3.

Voice Coil and Magnet Parameters

Voice coil diameter	26	mm
Voice coil height	2.1	mm
Voice coil layers	2	
Height of the gap	2.5	mm
Linear excursion +/-	0.2	mm
Max mech. excursion +/-	1.6	mm
Flux density of gap	--	mWb
Total useful flux	--	mWb
Diameter of magnet	42	mm
Height of magnet	4	mm
Weight of magnet	--	Kg

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

Frequency: D3004/602000



Mechanical Dimensions: D3004/602000

