

Illuminator 1" Tweeter



Type Number: R3004/602010

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.

R3004/602010 is optimized to offer small package sizes that can fit into tight spaces such as compact cabinets and automotive trim pieces. Protective grill is optional.

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 ring dome, compact size, ring neodymium magnet, aluminium faceplate and house.



Specs:

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	3,8 / 398	ohm
Maximum impedance	Zo	12,8	ohm
DC resistance	Re	3,0	ohm
Voice coil inductance	Le	0,02	mH

T-S Parameters

Resonance Frequency	fs	420	Hz
Mechanical Q factor	Qms		
Electrical Q factor	Qes		
Total Q factor	Qts		
Force factor	Bl	1,7	Tm
Mechanical resistance	Rms		Kg/s
Moving mass	Mms	0,35	g
Suspension compliance	Cms	0,41	mm/N
Effective cone diameter	D		cm
Effective piston area	Sd	5,6	cm ²
Equivalent volume	Vas		ltrs
Sensitivity (2.83V/1m)		87,4	dB
Ratio BL/√(Re)			
Ratio fs/Qts	F		

Power Handling

100h RMS noise test (IEC)	50	W
Long-term Max Power (IEC18.3)	130	W
Max linear SPL (rms) @ power		dB/W
Short-term Max Power (IEC18.2)		W

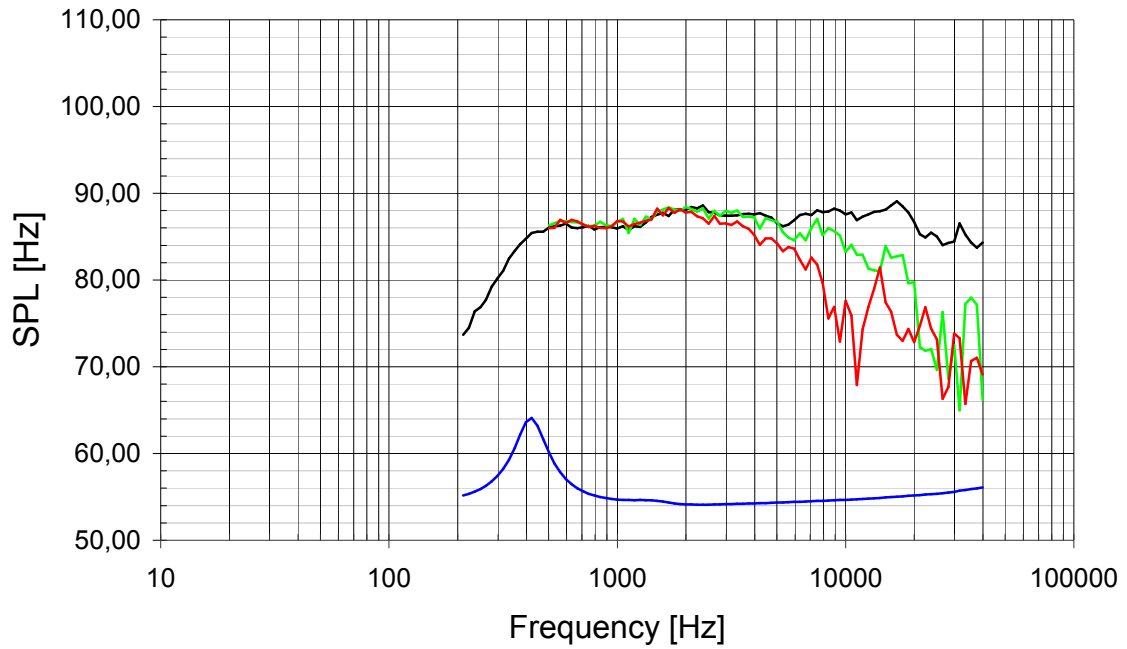
Voice Coil and Magnet Parametres

Voice coil diameter	26,0	mm
Voice coil height	2,1	mm
Voice coil layers	2	
Height of 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	42,0	mm
Height of magnet	4,0	mm
Weight of magnet		Kg
Unit net weight		Kg

Notes:

IEC Specs refer to IEC 60268,5 third edition. 2,5 kHz, 2. order BW
All Scan Speak products are RoHS compliant

Frequency:



— Impedance — On axis — 30 degrees — 60 degrees

Mechanical Dimensions:

