DISCOVERY

1" Ring Dome Tweeter

SCANSPEAK

Type Number: XT25BG60-04

Features:

The goal for this tweeter series was to create a transducer that has a frequency response that is flat to above 20K, and where the distortion is far lower than normal and more friendly to the ear. The tweeters represent a unique approach to tweeter design that has resulted in unrivaled performance, as well as in several patents (Dual Ring Radiator diaphragm , wave-guide center plug).

Driver Highlights: Dual Ring Radiator diaphragm (Patent), Wave-guide center plug (Patent), copper-clad aluwire

Specs:

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	-	ohm
Maximum impedance	Zo	11	ohm
DC resistance	Re	2,9	ohm
Voice coil inductance	Le	-	mH

T-S Parameters

Resonance Frequency	fs	630	Hz
Mechanical Q factor	Qms	-	
Electrical Q factor	Qes	-	
Total Q factor	Qts	-	
Force factor	Bl	-	Tm
Mechanical resistance	Rms	-	Kg/s
Moving mass	Mms	0,30	g
Suspension compliance	Cms	-	mm/N
Effective cone diameter	D		cm
Effective piston area	Sd	5,40	cm2
Equivalent volume	Vas	-	ltrs
Sensitivity (2.83V/1m)		91,93	dB

Power Handling

100h RMS noice test (IEC)	-	W
Long-term Max Power (IEC18.3)	550,0	W
Max linear SPL (rms) @ power		dB/W
Short-term Max Power (IEC18.2)		W

Voice Coil and Magnet Parametres

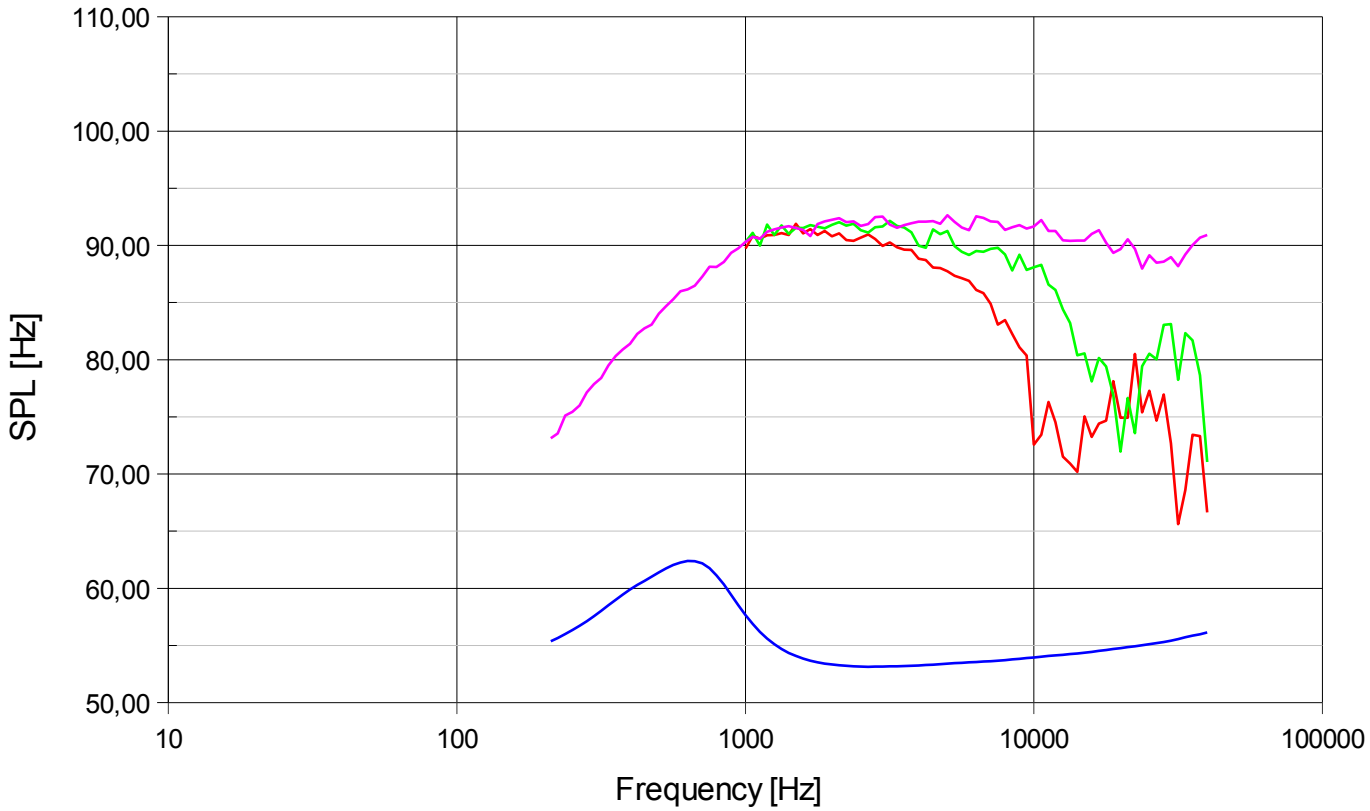
Voice coil diameter	25,0	mm
Voice coil height	2,2	mm
Voice coil layers	2,0	
Height of gap	2,5	mm
Linear excursion +/-	0,2	mm
Max mech. Excursion +/-	-	mm
Flux density of gap		mWb
Total useful flux		mWb
Diameter of magnet	72,0	mm
Height of magnet	30,0	mm
Weight of magnet	-	Kg
Unit net weight	0,8	Kg

Notes:

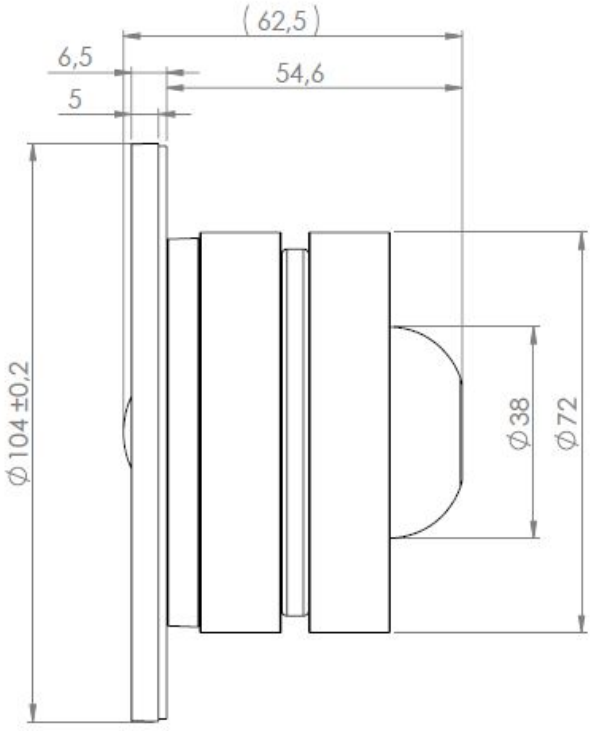
IEC Specs refer to IEC 60268,5 third sdition.

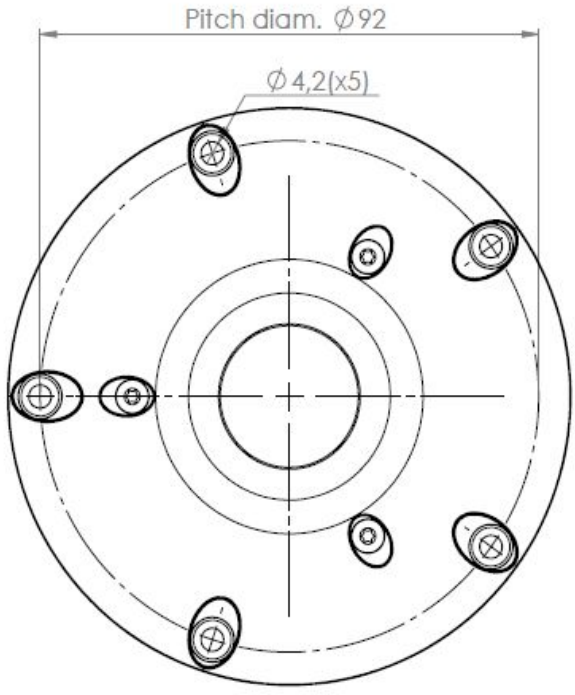
All Scan Speak products are RoHS compliant

Frequency:



Mechanical Dimentions:





Updated 2009.05.17