

HiAX32C20-8 High Power Exciter

✓ **RoHS**
COMPLIANT



Features

- Wide bandwidth and wide directivity
- Impedance: 8Ω
- Outside Diameter 52mm
- Thickness: 22.5mm
- Mass: 150g

Applications

- Signage
- Interactive displays
- Industrial control

Parameters

Description

The HiAX32C20-8 high power 32mm voice coil 8ohm exciter provides high shove and exceptional power handling. It is designed for commercial and industrial audio, driving rigid surfaces.

The driver is ideally suited for driving 1/4" glass or other similarly high impedance substrate.

Parameter	Description	min	typ	max	Units
R_e	DC resistance	-10%	7.4	+10%	Ohms
L_e	Inductance (@ 10kHz)	-10%	1.0	+10%	mH
BL	Force factor	-10%	7.4	+10%	Tm
f_s	Resonance frequency	-20%	400	+20%	Hz
f_m	Magnet resonance	-20%	90	+20%	Hz
d_{Drv}	Voice coil diameter		32		mm
M_{ms}	Moving mass		3.4		g
C_{ms}	Compliance		0.046		mmN^{-1}
R_{ms}	Suspension Loss		0.85		Nsm^{-1}

Operating conditions

Condition	Value
Continuous power handling(weighted pink noise)	10W
Burst power handling(weighted pink noise)	>20 W
Operating temperature range	-20 to 55° C
Audio frequency range	100Hz to 15kHz

Response

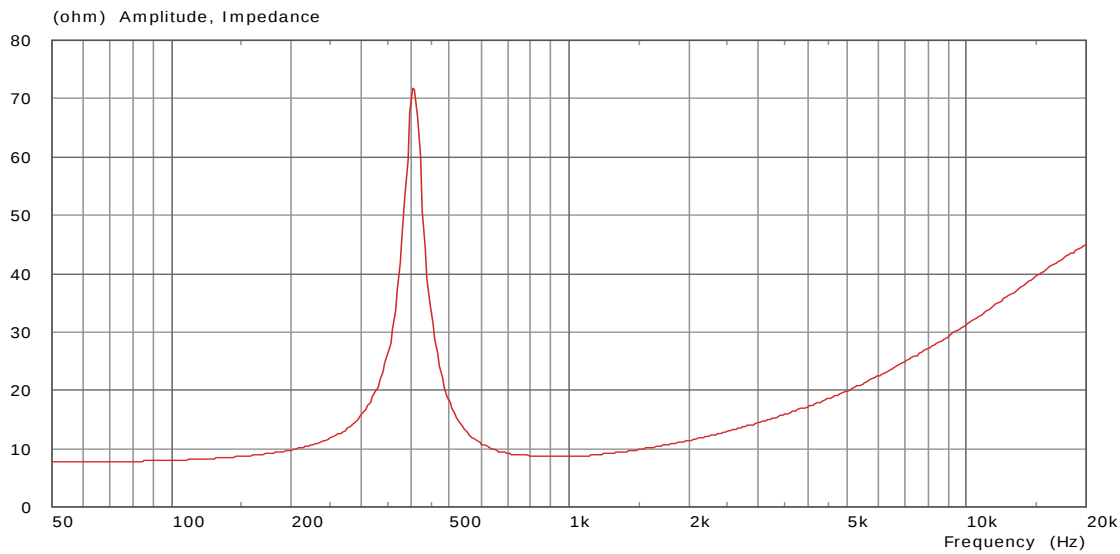


Figure 1.Impedance vs. frequency, free coil.

Outline Drawing

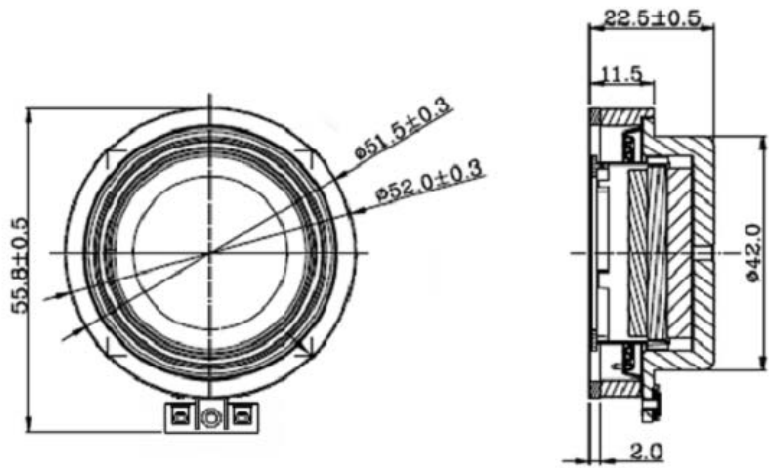


Figure 2.Nominal dimensions.