

HIAX32C20-8 High power exciter

üRoHS
COMPLIANT



Features

- Optimised for driving thick glass substrates
- Impedance: 8
- Maximum outside diameter 61.5mm
- Thickness: 22.3mm
- Mass: 140g

Applications

- Signage
- Interactive displays
- Industrial control

Parameters

Description

The HIAX32C20-8 high power 32mm voice coil 8ohm exciter provides high shove and high power handling. It is designed for commercial and industrial audio, driving rigid surfaces.

The driver is ideally suited for driving ¼" glass or other similarly high impedance substrates.

Parameter	Description	min	typ	max	Units
R_e	DC resistance	-10%	7.5	+10%	Ohms
L_e	Inductance	-10%	1.0	+10%	mH
BL	Force factor		7.8		Tm
f_s	Resonance frequency	-15%	400	+15%	Hz
f_m	Magnet resonance	-15%	90	+15%	Hz
d_{Drv}	Voice coil diameter		32		mm
M_{ms}	Moving mass		3.2		g
C_{ms}	Compliance		0.05		mmN ⁻¹
R_{ms}	Suspension Loss		0.95		Nsm ⁻¹
$X_{mech\ max}$	Maximum coil excursion (p-p)		4.0		mm

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

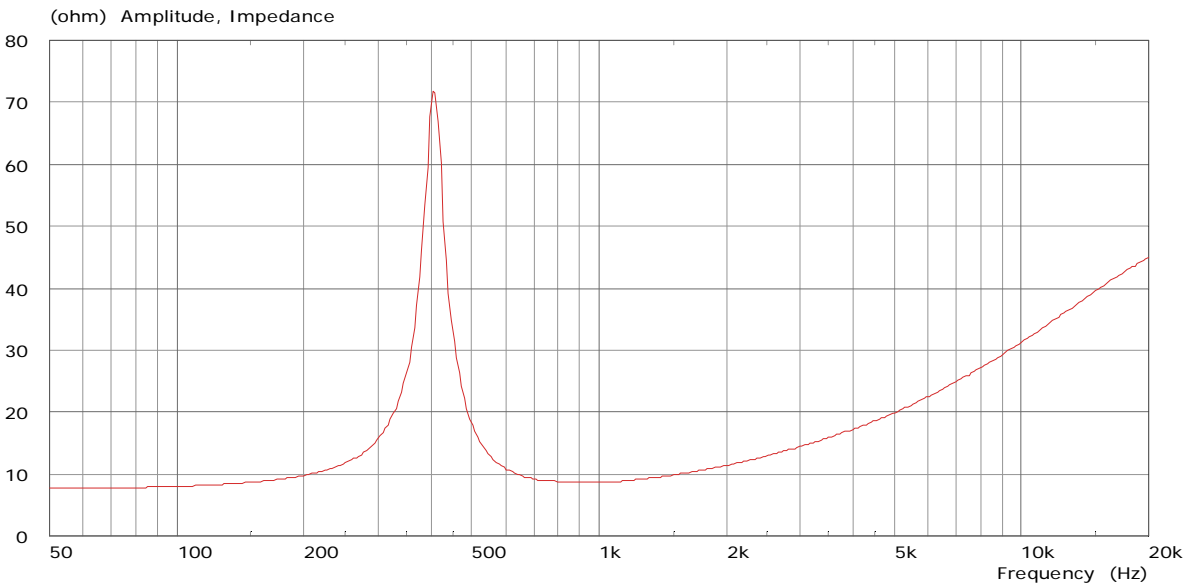


Figure 1.Impedance vs. frequency, free coil.

Outline Drawing

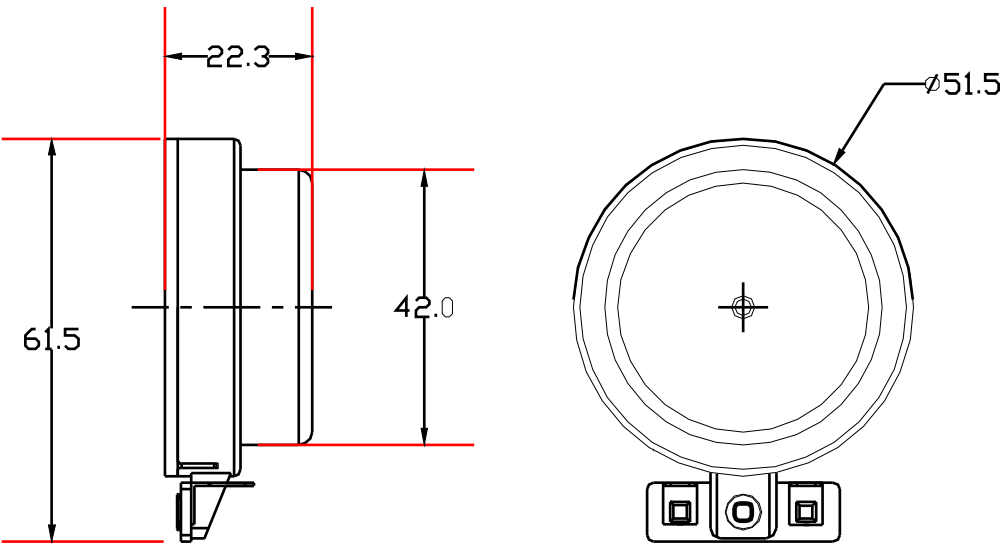


Figure 2.Nominal dimensions.