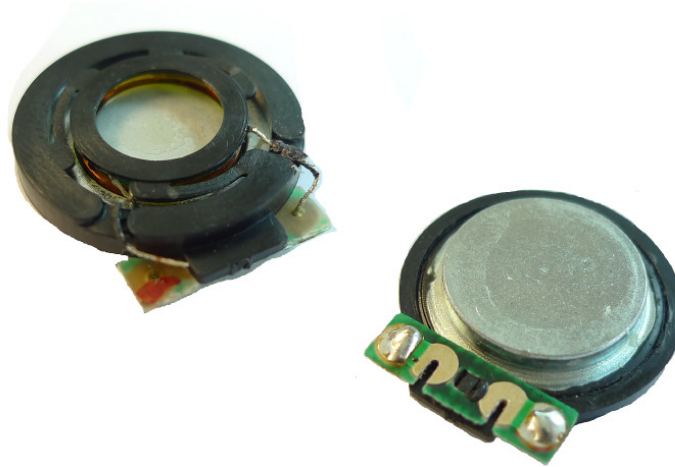


HIAX11C005-32/LP Low Profile Audio Exciter



Features

- Shallow small footprint design
- Impedance: 32Ω nominal
- Dimensions: 23.8mm x 21.8mm
- Thickness: 5.7mm
- Mass: 5.5g

Applications

- Ultra-slim loudspeakers
- Toys
- Greetings cards
- Novelty items

Description

The HIAX11C005-32/LP audio exciter is a very compact and highly optimised electrodynamic transducer. It combines an efficient magnetic circuit topology with a low profile suspension design for maximum placement flexibility.

Ideal for any application where depth is the critical dimension.

Parameters

Parameter	Description	min	typ	max	Units
R_e	DC resistance	-10%	29.1	+10%	Ohms
L_e	Inductance	-10%	0.2	+10%	mH
BL	Force factor		1.5		Tm
f_s	Resonance frequency	-20%	719	+20%	Hz
d_{Drv}	Voice coil diameter		11		mm
M_{ms}	Moving mass		0.1		g
C_{ms}	Compliance		0.4		mmN ⁻¹
R_{ms}	Suspension Loss		0.04		Nsm ⁻¹
$X_{mech\ max}$	Maximum coil excursion (p-p)		2		mm

Operating conditions

Condition	Value
Continuous power handling (weighted pink noise)	0.5W (24hrs)
Burst power handling (weighted pink noise)	>1W
Operating temperature range	-20 to 55° C (TBC)
Audio frequency range	550Hz to 20kHz

Response

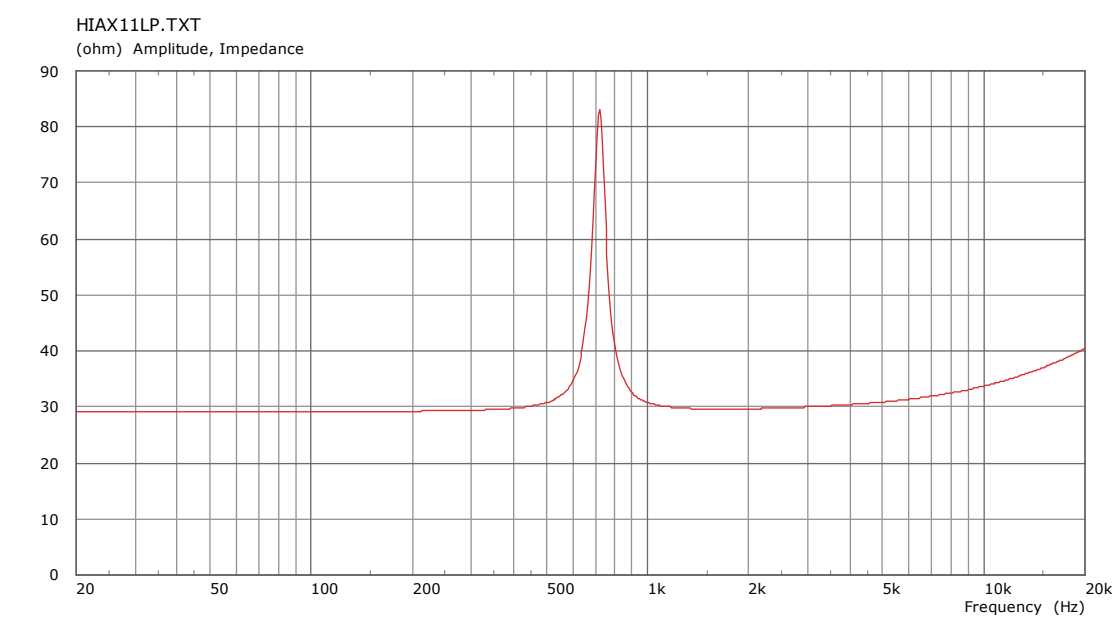


Figure 1. Impedance vs. frequency

Outline Drawing

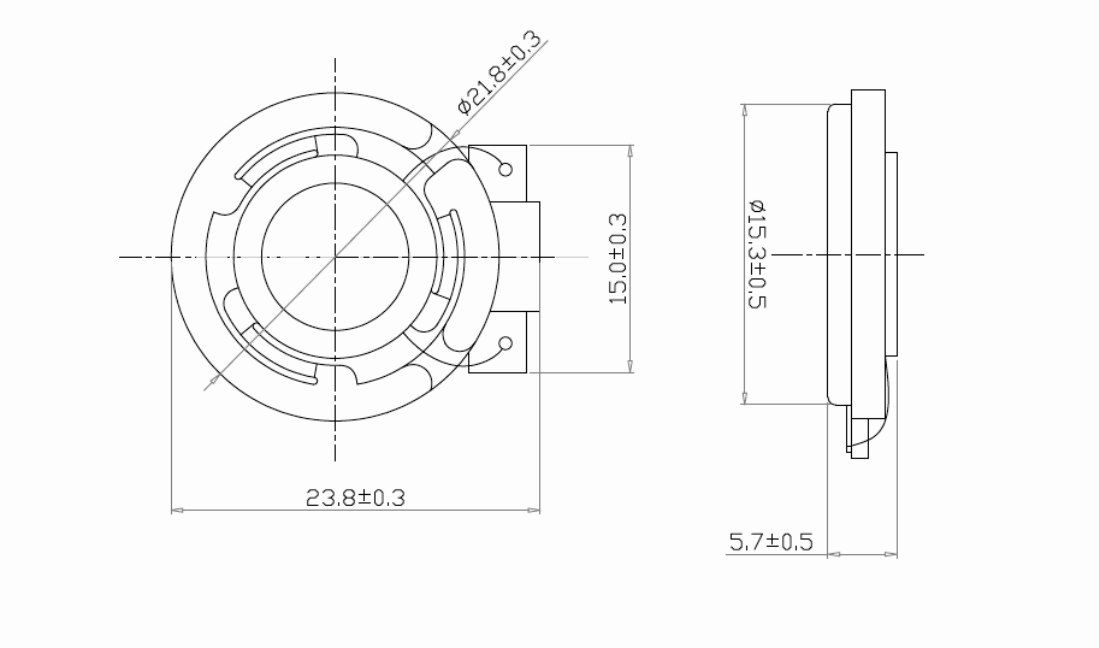


Figure 2. Nominal dimensions