

MODEL: CMS-1536-0332S

| DESCRIPTION: SPEAKER

FEATURES

- spring contact
- 32 Ω impedance
- rated 0.3 W



SPECIFICATIONS

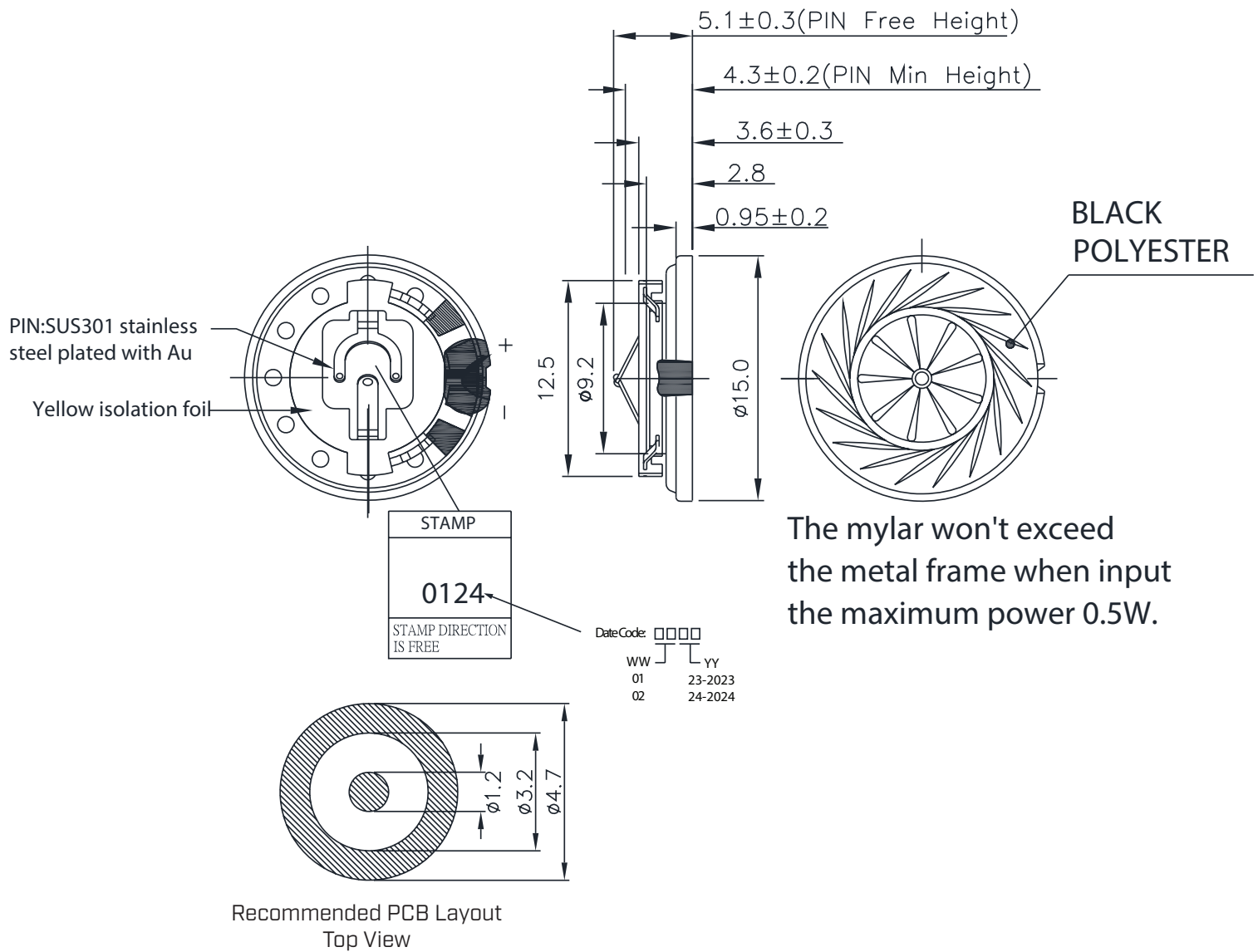
parameter	conditions/description	min	typ	max	units
input power	max power: IEC-60268-5, filter 60 seconds on/120 seconds off, 10 cycles at room temperature		0.3	0.5	W
impedance	at 1.5 kHz, 1.0 V	27.2	32	36.8	Ω
resonant frequency (Fo)	at 1.0 V	800	1,000	1,200	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 0.3 W, 10 cm, avg at 1.0, 1.2, 1.5, 2.0 kHz	89	92	95	dB
	at 0.1 W, 10 cm, avg at 1.0, 1.2, 1.5, 2.0 kHz	85	88	91	dB
distortion	at 2.0 kHz, 0.1 W, 10 cm			10	%
buzz, rattle, etc.	must be normal at sine wave, Fo~20 kHz			3.10	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	$\varnothing$ 15.0 x 3.6				mm
magnet	Nd-Fe-B				
frame material	metal				
cone material	PEI				
terminal	spring terminals				
weight			1.2		g
operating temperature		-40		85	$^{\circ}$ C
storage temperature		-40		80	$^{\circ}$ C
RoHS	yes				

Notes:

1. All specifications measured at 5-35 $^{\circ}$ C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

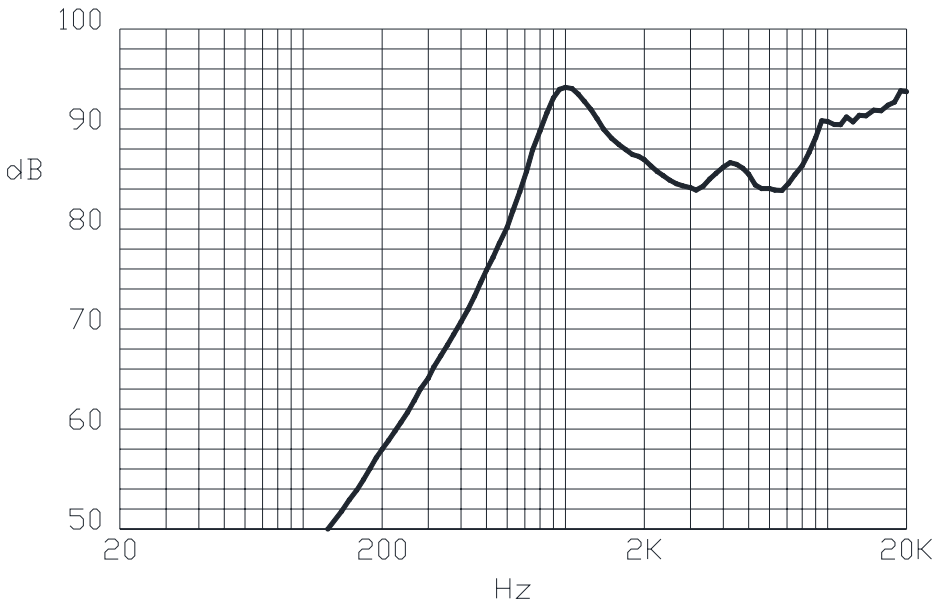
units: mm
tolerance: ± 0.2 mm
unless otherwise specified



RESPONSE CURVES

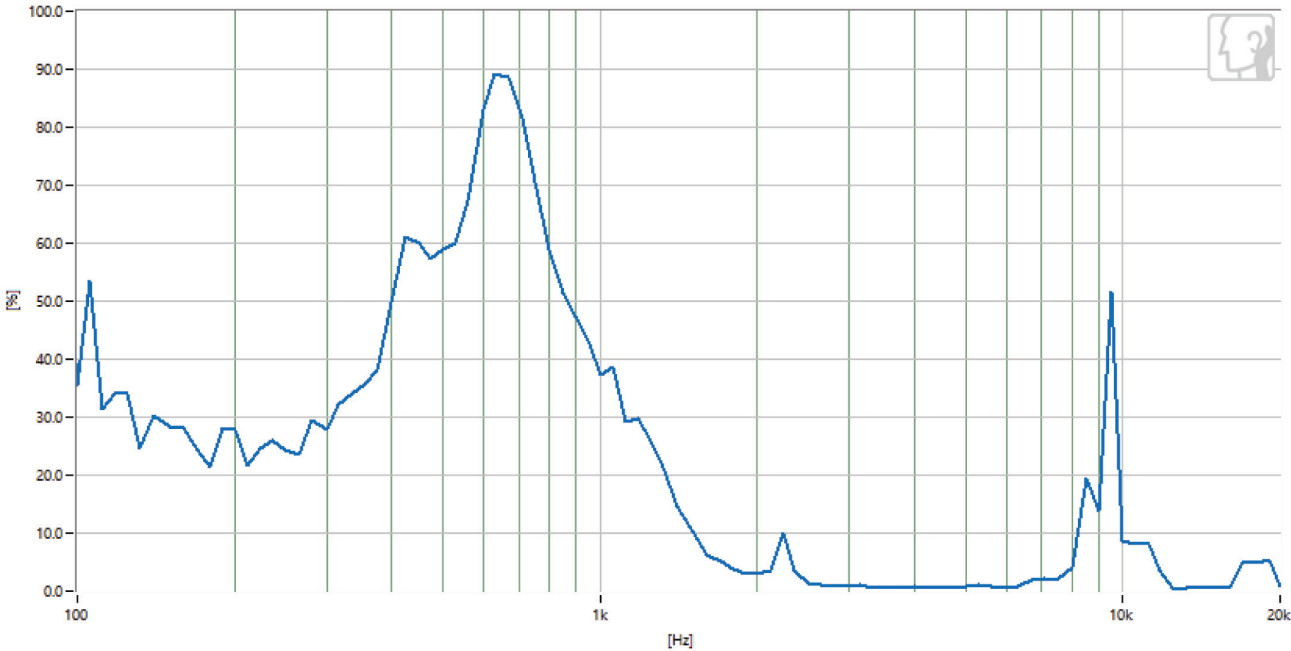
Frequency Response Curve

Test Conditions: 0.1 W / 10 cm



Total Harmonic Distortion Curve

Test Conditions: 0.1 W / 10 cm



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	9.2334
Electrical Q Factor	Qes	23.1582
Total Q Factor	Qts	6.6013
Compliance Equivalent Volume	Vas	0.0035

Notes: 2. Results represent typical performance in Free Air conditions.

REVISION HISTORY

rev.	description	date
1.0	initial release	04/05/2024
1.01	CUI Devices rebranded to Same Sky	09/11/2024
1.02	added Thiele-Small Parameters	02/26/2025

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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