



MODEL: CLS0281MAE-L152 | DESCRIPTION: SPEAKER

FEATURES

- 28 mm
- round frame
- 2 W
- 8 Ω
- neodymium magnet
- PET cone
- wire leads



SPECIFICATIONS

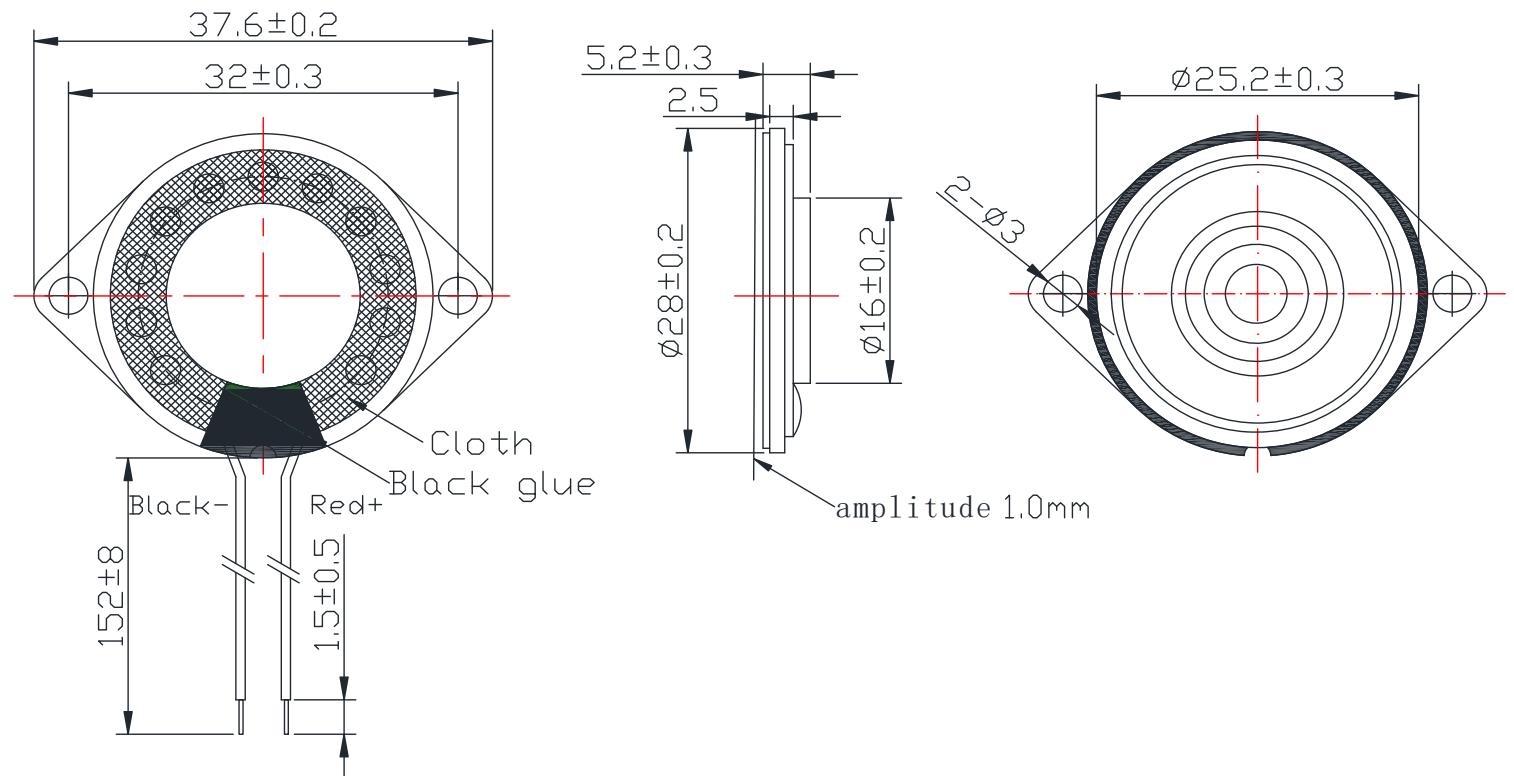
parameter	conditions/description	min	typ	max	units
input power	max power: IEC-60268-5, filter 60 seconds on, 120 seconds off, 10 cycles (room temp)		2.0	4.0	W
impedance	at 2.0 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	624	780	936	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 1.0 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz	85	88	91	dB
distortion	at 1.0 kHz, 1.0 W			5	%
buzz, rattle, etc.	must be normal at sine wave between Fo~5 kHz			4.0	V
polarity	cone moves forward w/ positive dc current to “+” terminal				
dimensions	Ø28 x 5.2				mm
magnet	Nd-Fe-B				
frame material	SPCC				
cone material	PET				
terminal	wire leads				
weight			7.8		g
operating temperature		-20		70	°C
storage temperature		-30		80	°C
hand soldering	for maximum 3 seconds	360	380	400	°C
RoHS	yes				

Notes: 1. All specifications measured at 5-35°C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

units: mm
tolerance: ± 0.5 mm

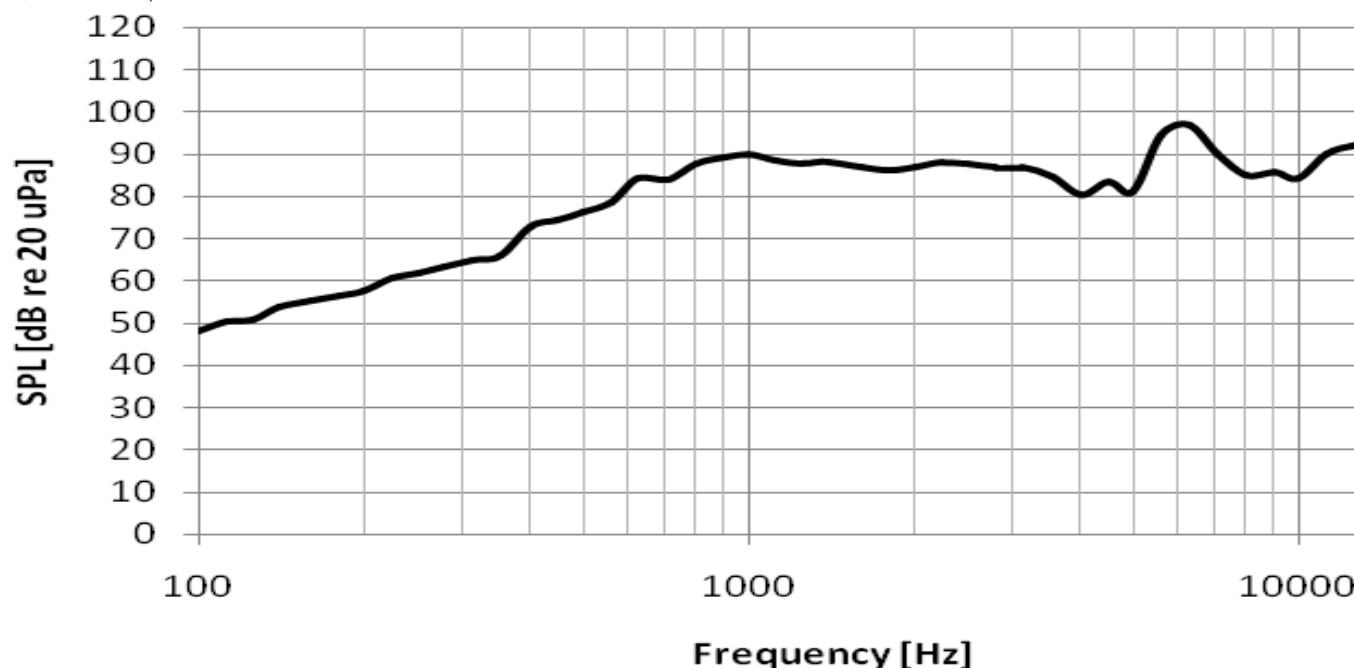
wire: UL1007 28 AWG



RESPONSE CURVES

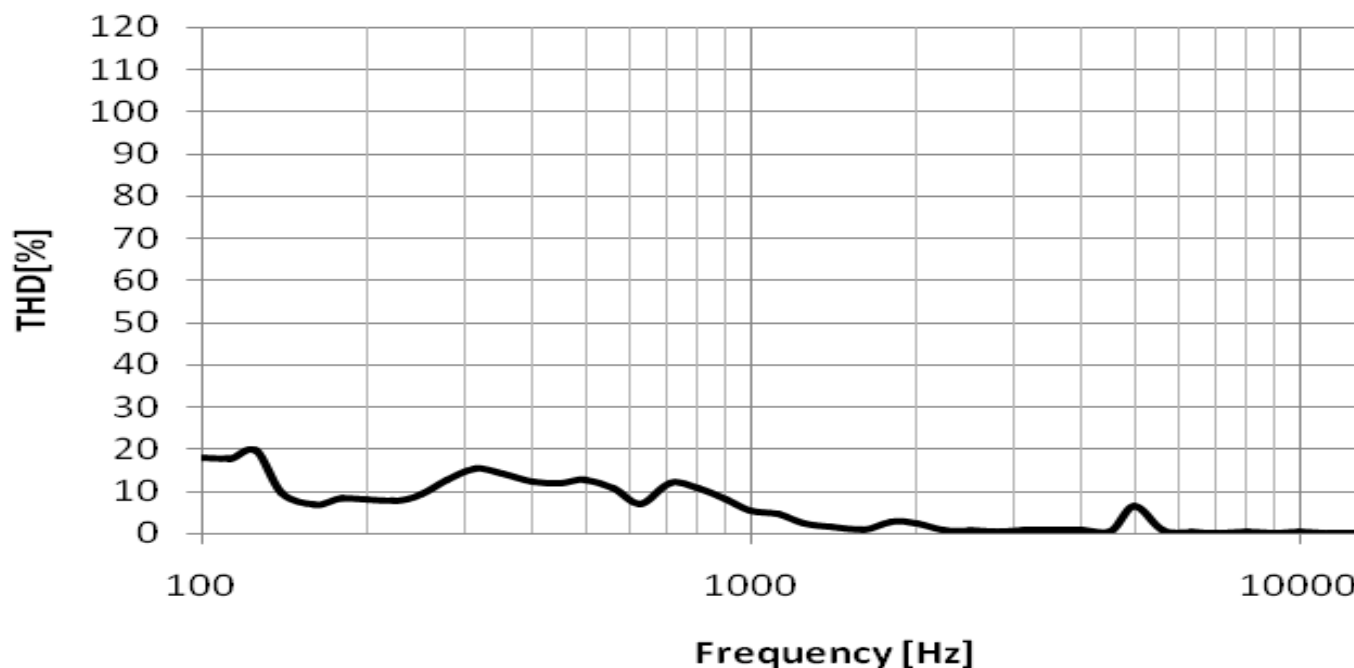
Frequency Response Curve

Test Conditions: 1.0 W / 50 cm



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 50 cm



REVISION HISTORY

rev.	description	date
1.0	initial release	07/05/2007
1.01	brand update	10/15/2020
1.02	logo, datasheet style update	08/05/2022
1.03	updated drawing	09/09/2022
1.04	CUI Devices rebranded to Same Sky	09/12/2024
1.05	factory location change	05/28/2026

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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