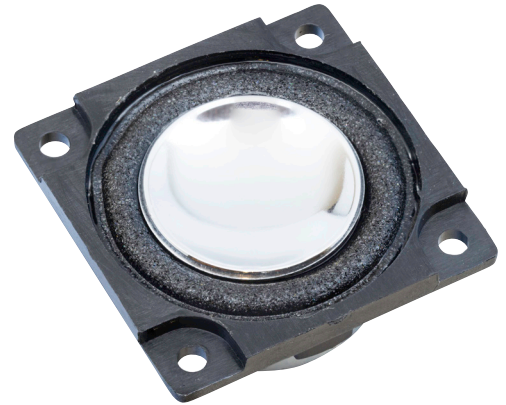


**MODEL:** CMS-251452-28SP | **DESCRIPTION:** SPEAKER**FEATURES**

- 8 ohm
- 2 W rated
- solder tabs

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power			2.0	3.0	W
impedance	at 1,500 Hz	6.8	8	9.2	$\Omega$
resonant frequency [Fo]		216	270	324	Hz
frequency response		150		20,000	Hz
sound pressure level	at 1.0 W, 50 cm, avg at 0.6, 0.8, 1.0, 1.2 kHz	79	82	85	dB
distortion	at 1.0 kHz, 1.0 W			5	%
buzz, rattle, etc.	must be normal at sine wave			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	28 x 28 x 10.8				mm
magnet	Nd-Fe-B				
frame material	PBT + 10% GF				
cone material	foam				
terminal	solder terminals				
weight			15.4		g
operating temperature		-20		55	$^{\circ}\text{C}$
storage temperature		-25		60	$^{\circ}\text{C}$
hand soldering	for maximum 2 seconds	360		380	$^{\circ}\text{C}$
RoHS	yes				

Notes: 1. All specifications measured at 15~35 $^{\circ}\text{C}$ , humidity at 25~75%, unless otherwise noted.

## MECHANICAL DRAWING

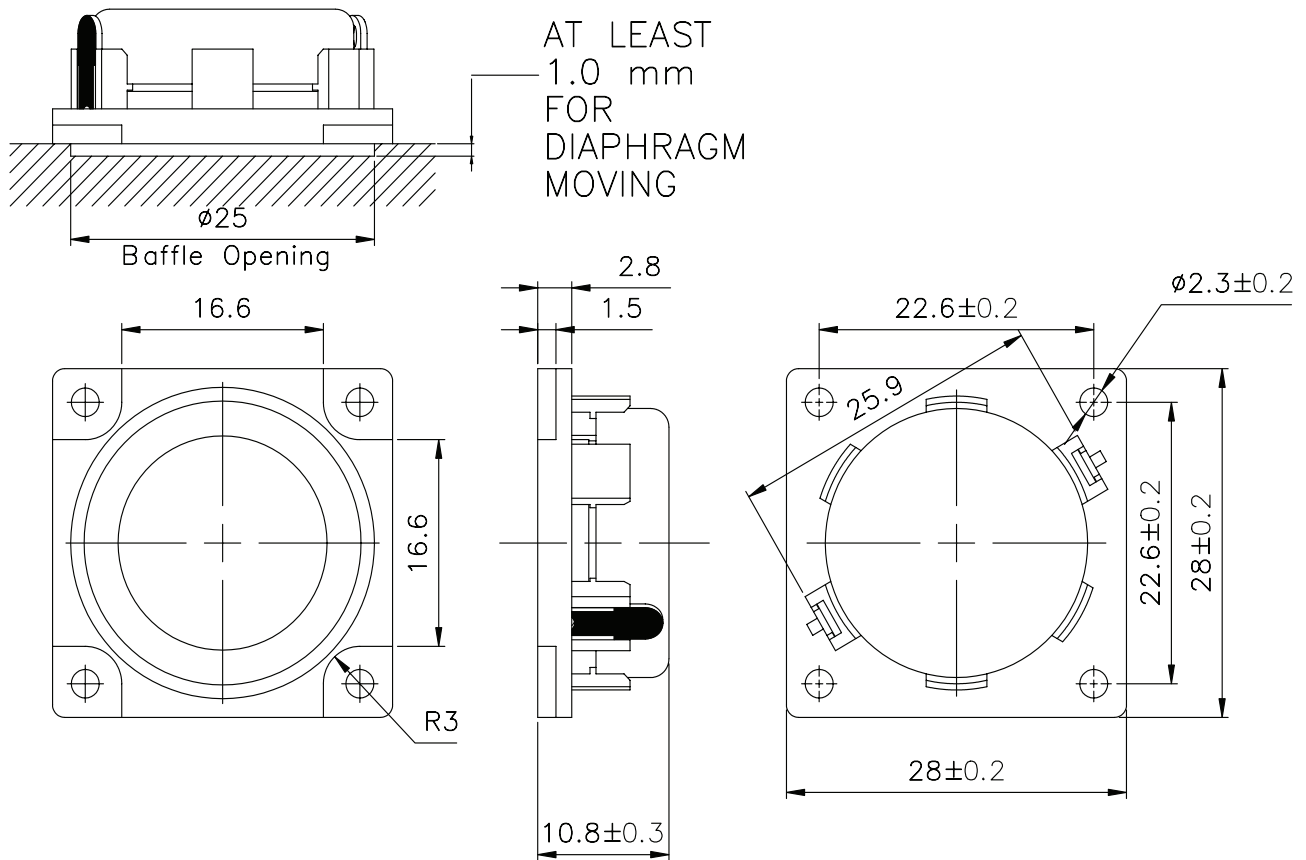
units: mm

tolerance:

 $X \leq 8$ :  $\pm 0.2$  mm $8 < X \leq 16$ :  $\pm 0.25$  mm $16 < X \leq 24$ :  $\pm 0.30$  mm

unless otherwise specified

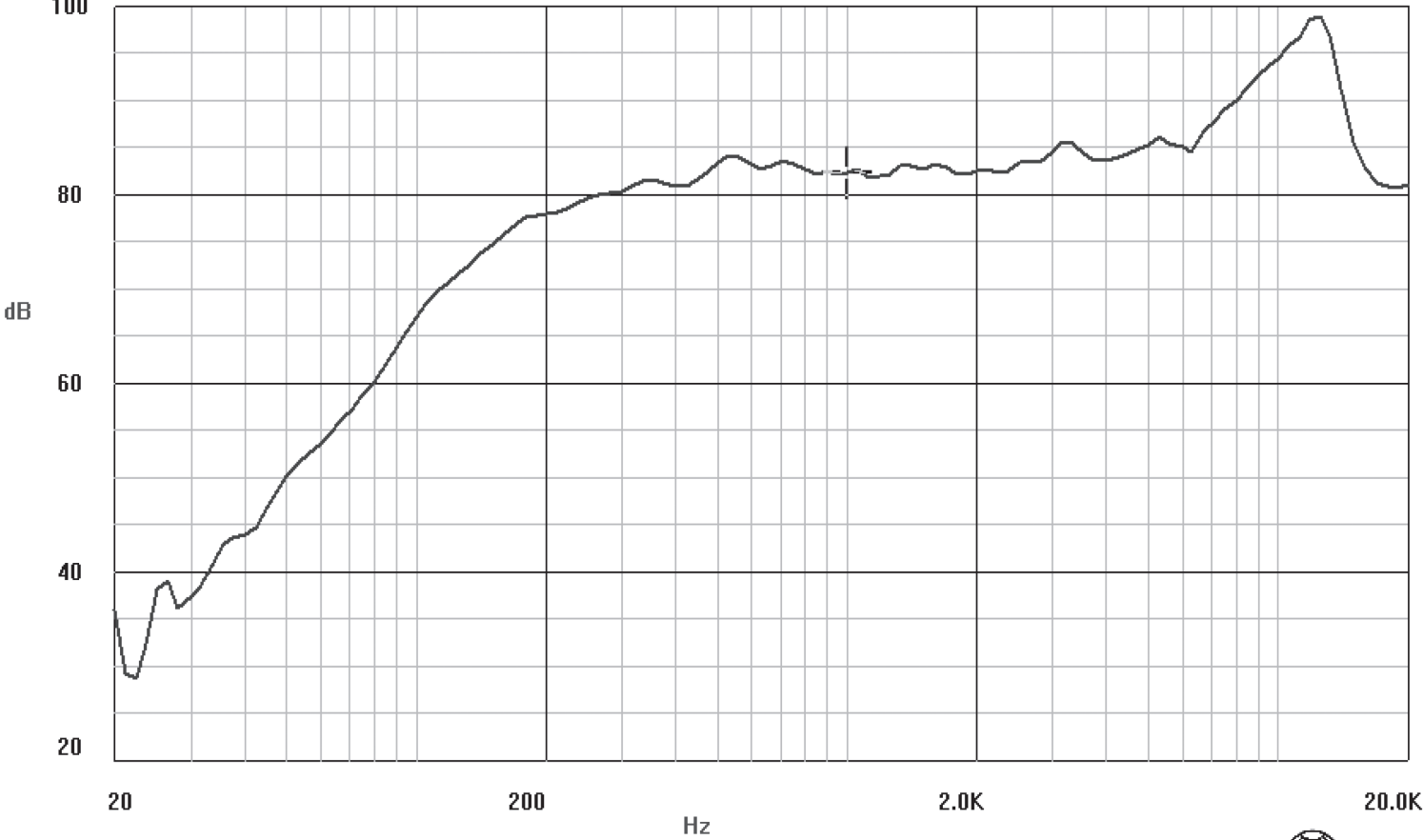
### MOUNTING NOTICE



RESPONSE CURVES

Frequency Response Curve

Test Conditions: 2.83 V / 50 cm  
Magn dB re 20.0 uPa.



REVISION HISTORY

rev.	description	date
1.0	initial release	06/27/2023
1.01	CUI Devices rebranded to Same Sky	09/11/2024

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.

Same Sky reserves the right to make changes to the product at any time without notice. Information provided by Same Sky is believed to be accurate and reliable. However, no responsibility is assumed by Same Sky for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

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.

**sameskydevices.com**