

**MODEL:** CMS-4028-54E | **DESCRIPTION:** SPEAKER**FEATURES**

- 4 ohm
- rated 5 W
- solder eyelets

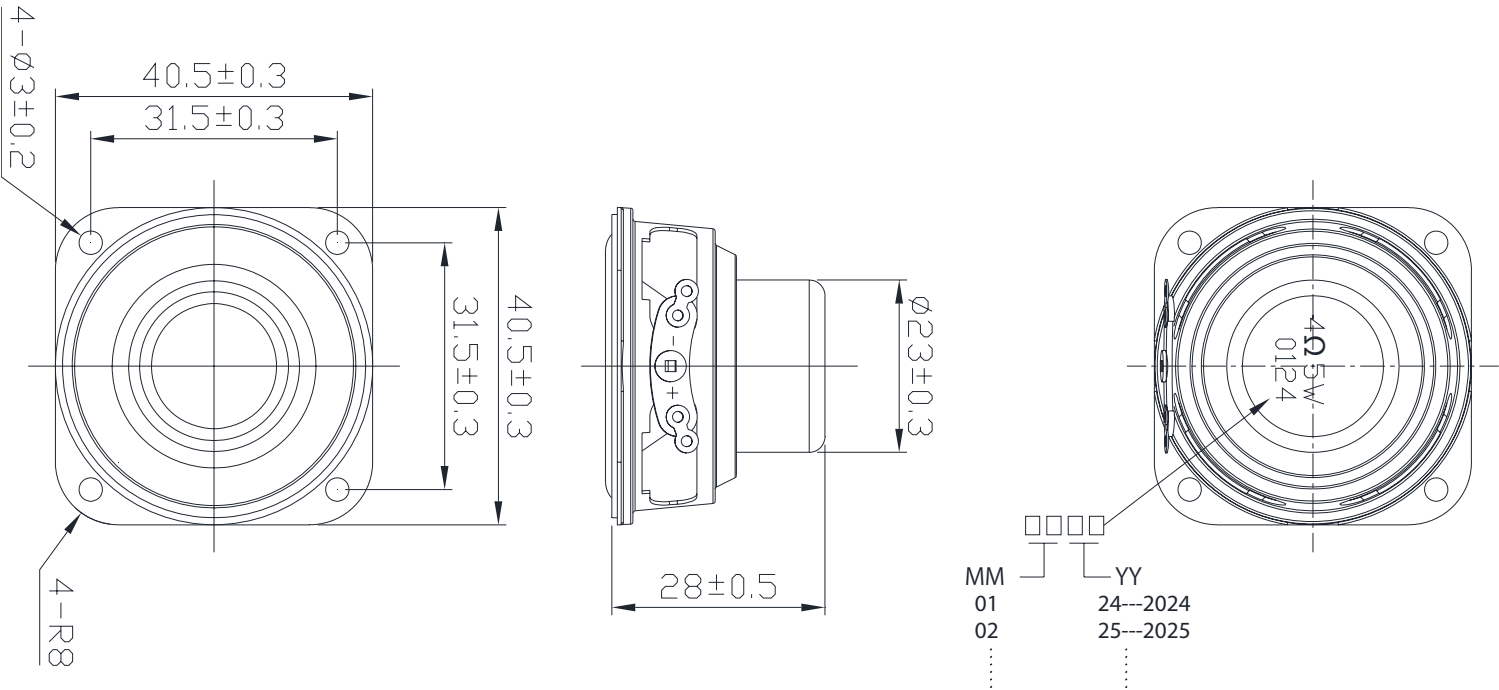
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power	maximum power: IEC-60268-5 filter 60s on/120s off 10 cycles (room temp.)		5.0	7.0	W
impedance	at 1.0 kHz DCR	3.40	4.00	4.60	Ω
		2.89	3.40	3.91	Ω
resonant frequency (Fo)	at 1.0 V	112	140	168	Hz
frequency response		150		20,000	Hz
sound pressure level	at 5.0 W, 1 m, avg at 0.4, 0.5, 0.6, 0.8 kHz	81	84	87	dB
	at 1.0 W, 1 m, avg at 0.4, 0.5, 0.6, 0.8 kHz	74	77	80	dB
distortion	at 1.0 kHz, 1 W			5	%
buzz, rattle, etc.	must be normal at sine wave, from Fo to 20 kHz			4.5	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	40.5 x 40.5 x 28.0				mm
magnet	Nd-Fe-B				
frame material	metal				
cone material	rubber + paper				
terminal	solder eyelets				
weight		38.76	45.60	52.44	g
operating temperature		-40		75	°C
storage temperature		-40		85	°C
hand soldering	for 3±1 seconds	360	370	380	°C
RoHS	yes				

Notes: 1. All specifications measured at 15-35 °C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

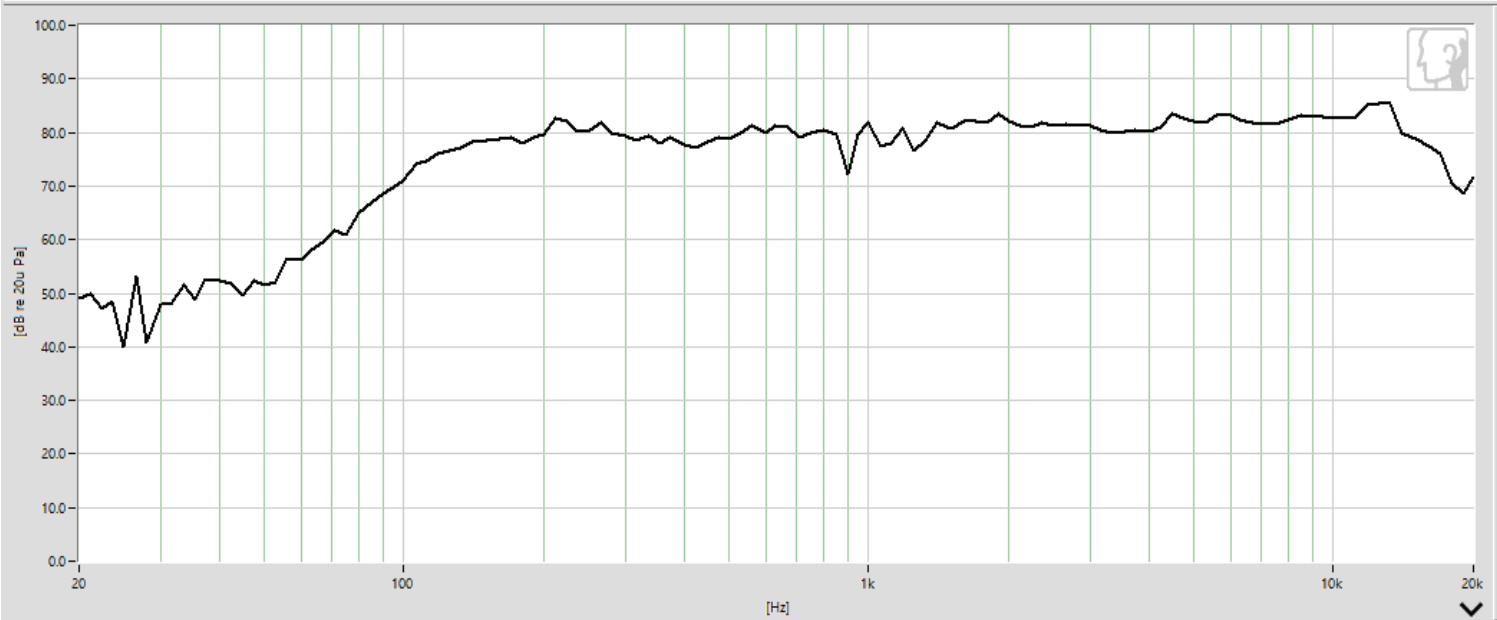
MECHANICAL DRAWING

units: mm
tolerance: ± 0.3 mm

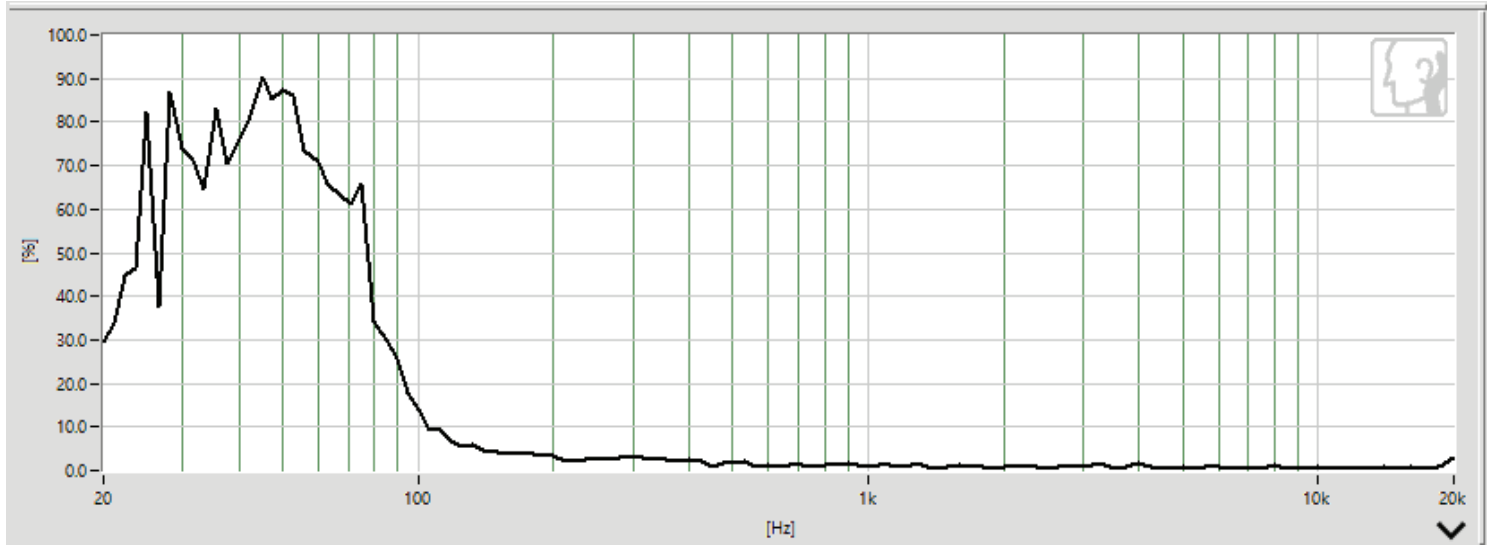


RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	4.2856
Electrical Q Factor	Qes	0.5381
Total Q Factor	Qts	0.478
Compliance Equivalent Volume	Vas	0.1202

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

REVISION HISTORY

rev.	description	date
1.0	initial release	06/14/2024
1.01	CUI Devices rebranded to Same Sky	09/11/2024
1.02	added Thiele-Small Parameters	02/07/2025

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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