

Additional Resources: Product Page

date 01/30/2025

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MODEL: CMS-3005-28SP | DESCRIPTION: SPEAKER

FEATURES

- 8 ohm
- rated 2.0 W
- solder pads





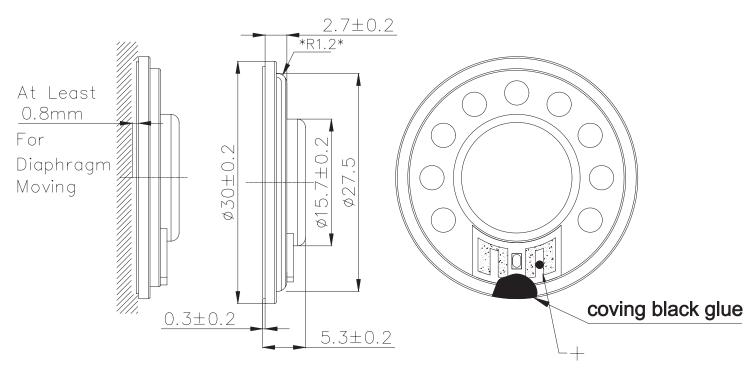
SPECIFICATIONS

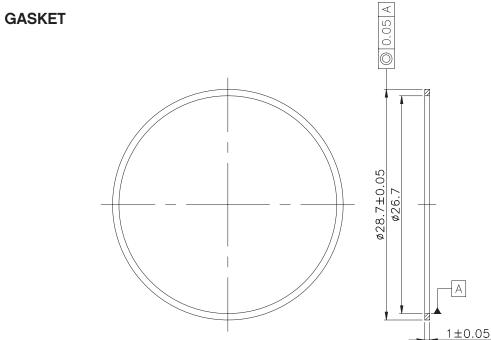
parameter	conditions/description	min	typ	max	units
input power			2	2.5	W
impedance		6.8	8	9.2	Ω
resonant frequency (Fo)		600	750	900	Hz
frequency response		Fo		6,000	Hz
sound pressure level	at 1.0 W, 50 cm, avg 0.8, 1.0, 1.2, 1.5 kHz on baffle	83	86	89	dB
distortion	at 1.0 kHz, 0.5 W, 50 cm on baffle			5	%
buzz, rattle, etc.	must be normal at sine wave, frequency range			4.0	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	Ø30 x 5.3				mm
magnet	Nd-Fe-B				
frame material	iron				
cone material	PEI				
terminal	solder pads				
weight			7		g
operating temperature		-20		55	°C
storage temperature		-25		60	°C
hand soldering	for maximum 2 seconds	360		380	°C
RoHS	yes				

Notes: 1. All specifications measured at 15~35°C, humidity at 25~75%, unless otherwise noted.

MECHANICAL DRAWING

units: mm tolerance: ±0.2 mm

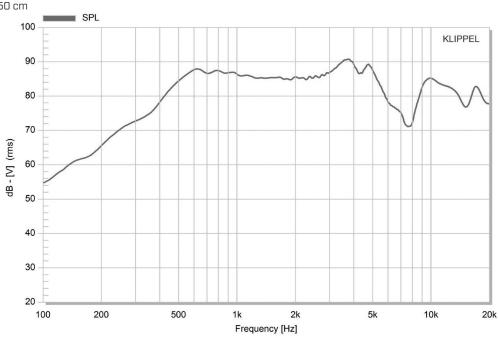




RESPONSE CURVES

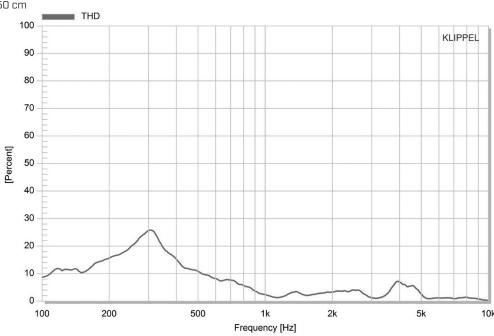
Frequency Response Curve





Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 50 cm



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	14.128
Electrical Q Factor	Qes	9.236
Total Q Factor	Qts	5.585
Compliance Equivalent Volume	Vas	0.0101

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

REVISION HISTORY

rev.	description	date	
1.0	initial release	07/06/2023	
1.01	CUI Devices rebranded to Same Sky	09/11/2024	
1.02	added Thiele-Small Parameters	01/30/2025	

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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