

MODEL: CMS-2812-078T | **DESCRIPTION:** SPEAKER

FEATURES

- 8 ohm
- 0.78 W
- through hole

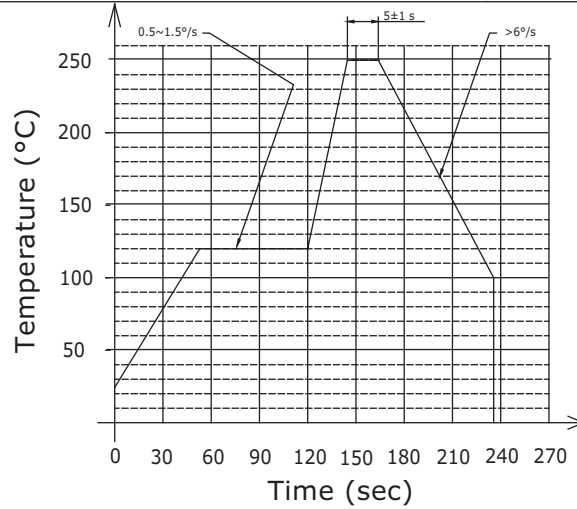

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: 1 minute on, 2 minutes off, 10 cycles		0.78	1.5	W
impedance	at 1.0 kHz, 1 V	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1 V	400	500	600	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 0.5 kHz, 0.78 W, 50 cm	78	81	84	dB
	at 1.0 kHz, 0.78 W, 50 cm	78	81	84	dB
	at 2.0 kHz, 0.78 W, 50 cm	77	80	83	dB
	at 3.0 kHz, 0.78 W, 50 cm	79	82	85	dB
distortion	at 1.0 kHz, 3.3 V			11	%
buzz, rattle, etc.	must be normal at sine wave between 300 Hz ~ 5 kHz			2.5	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	$\varnothing 28 \times 12.5$				mm
magnet	Nd-Fe-B				
housing material	MPPD				
cone material	PEI				
terminal	pins				
weight			8.8		g
operating temperature		-40		85	$^{\circ}\text{C}$
storage temperature		-40		85	$^{\circ}\text{C}$
RoHS	yes				

Notes: 1. All specifications measured at 15-35 $^{\circ}\text{C}$, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

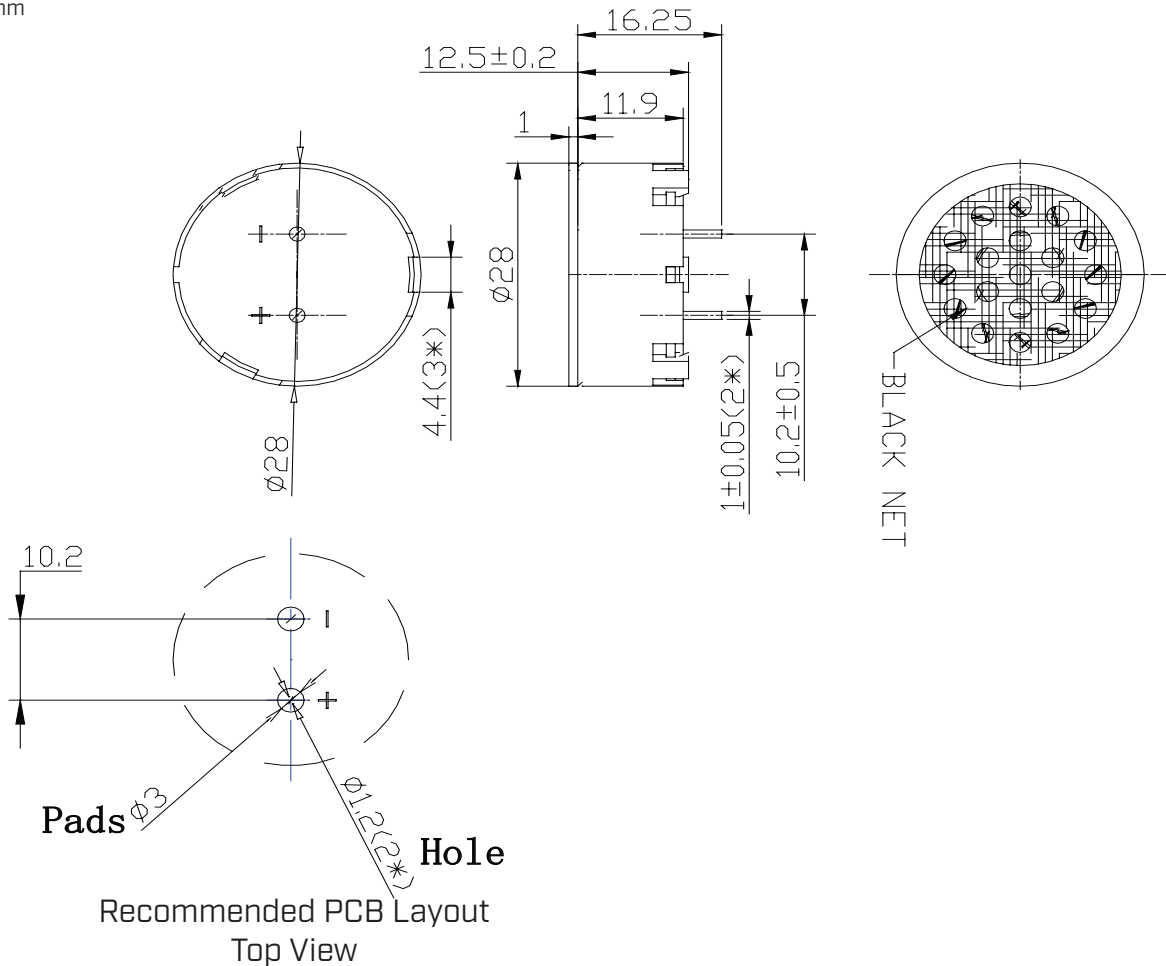
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for 3-5 seconds	370	380	390	°C
wave soldering	see recommended wave soldering profile			250	°C



MECHANICAL DRAWING

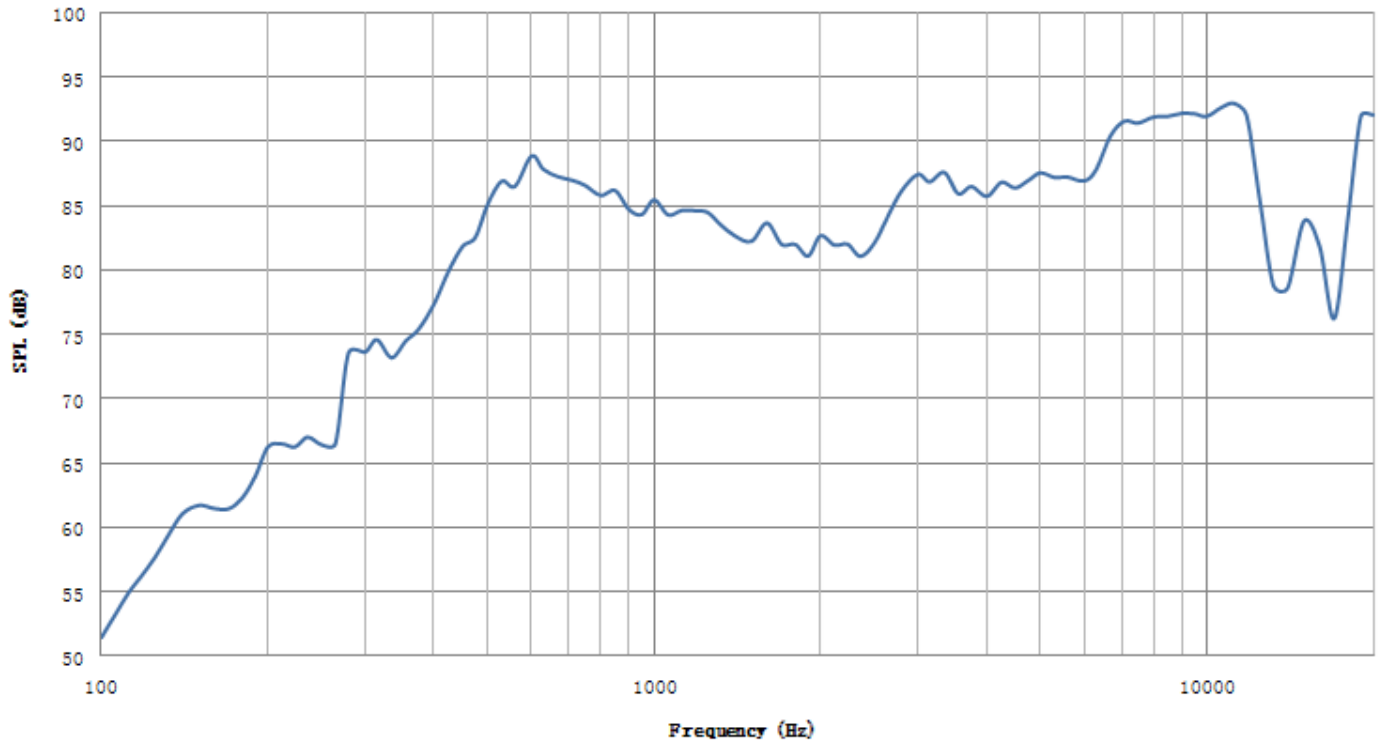
units: mm
tolerance: ±0.3 mm



RESPONSE CURVES

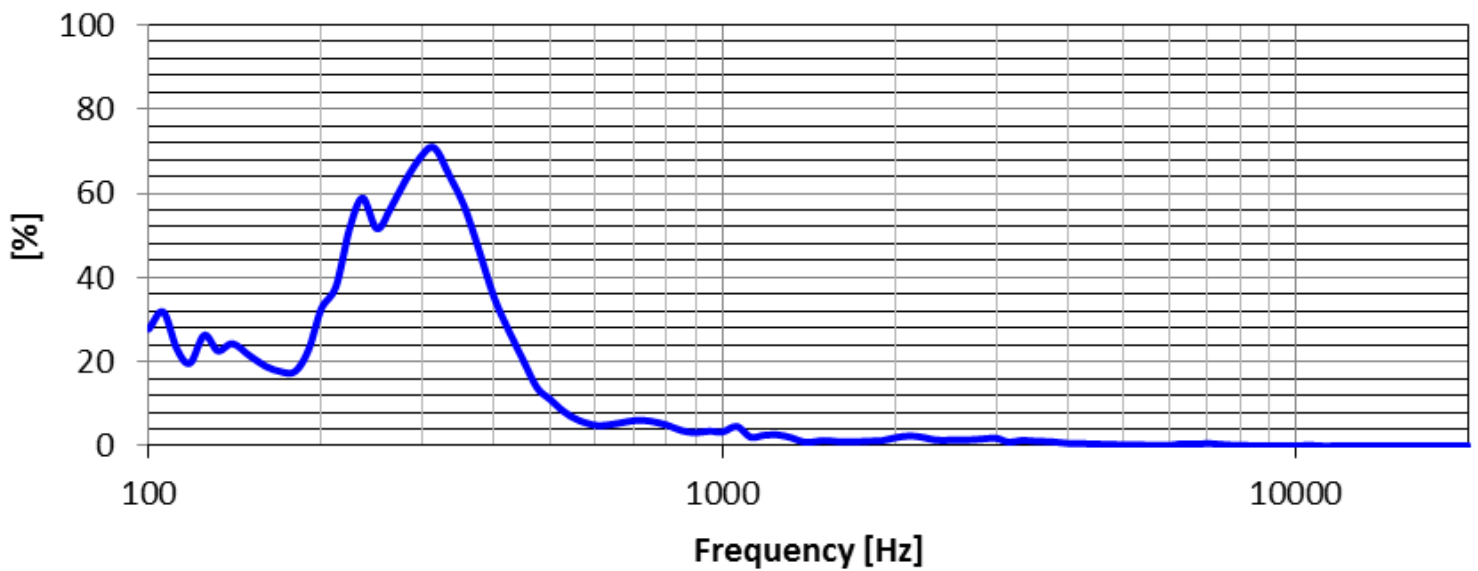
Frequency Response Curve

Test Conditions: 0.78 W / 10 cm



Total Harmonic Distortion Curve

Test Conditions: 0.78 W / 10 cm



REVISION HISTORY

rev.	description	date
1.0	initial release	12/07/2023

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



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

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