

MODEL: CMS-3012-18T | **DESCRIPTION:** SPEAKER

FEATURES

- 8 ohm
- 1.0 W
- through hole

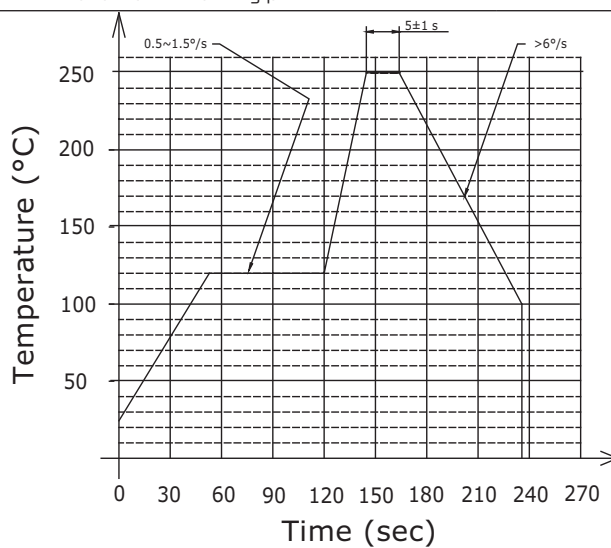
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power	max power: 1 minute on, 2 minutes off, 10 cycles		1.0	1.3	W
impedance	at 1.0 kHz, 1 Vrms	6.8	8	9.2	Ω
coil resistance		6.8	8	9.2	Ω
resonant frequency [Fo]		960	1,200	1,440	Hz
frequency response		500		4,000	Hz
sound pressure level	at 2.0 KHz, 0.25 W, 10 cm	96	99	102	dB
	at 2.0 KHz, 1.0 W, 10 cm	102	105	108	dB
distortion	at 2.0 KHz, 0.1 W, sine wave			5	%
buzz, rattle, etc.	must be normal at sine wave, frequency range			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	$\varnothing 30 \times 12.8$				mm
magnet	Nd-Fe-B				
housing material	MPPD				
cone material	PET				
terminal	pins				
weight			9		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.

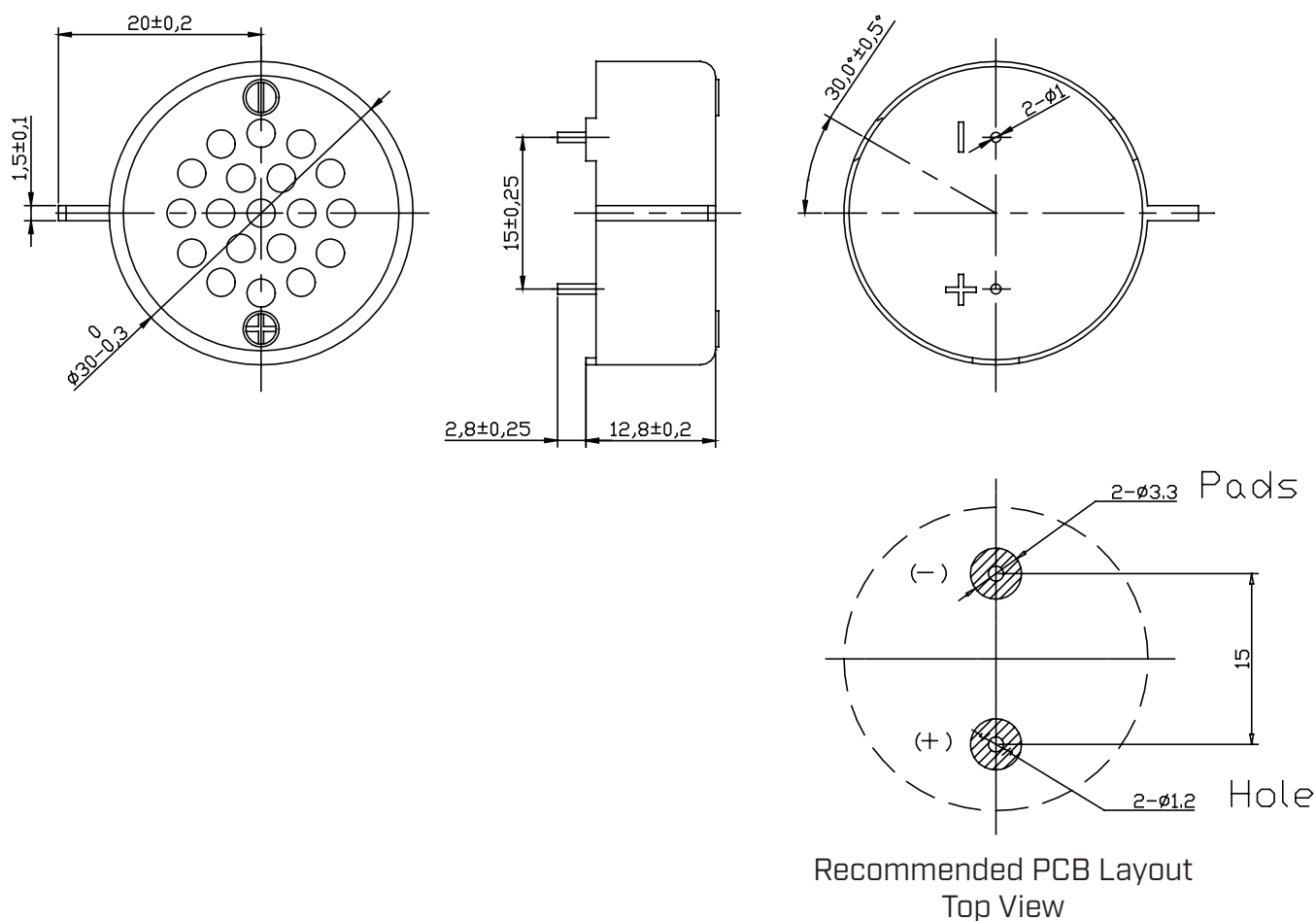
SOLDERABILITY

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

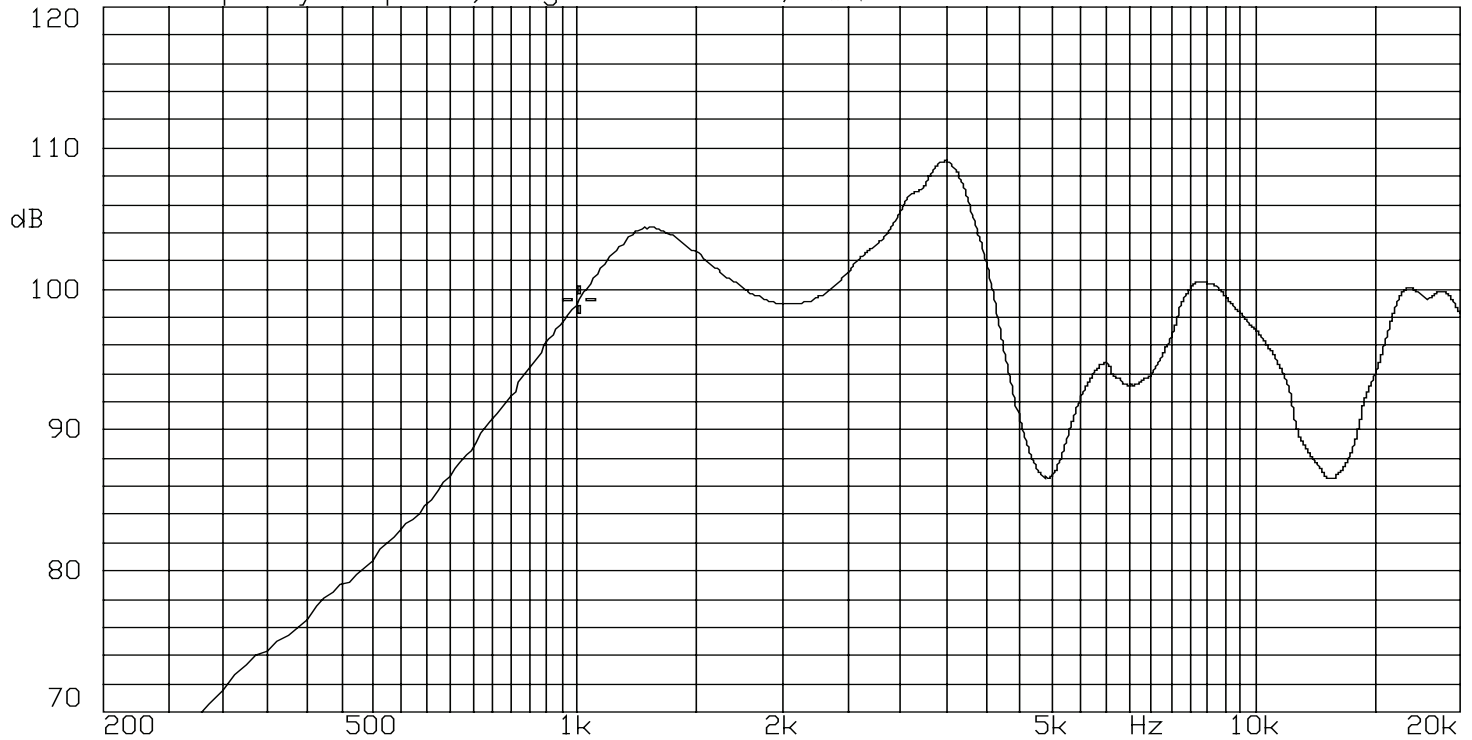
units: mm
tolerance: ± 0.3 mm



RESPONSE CURVES

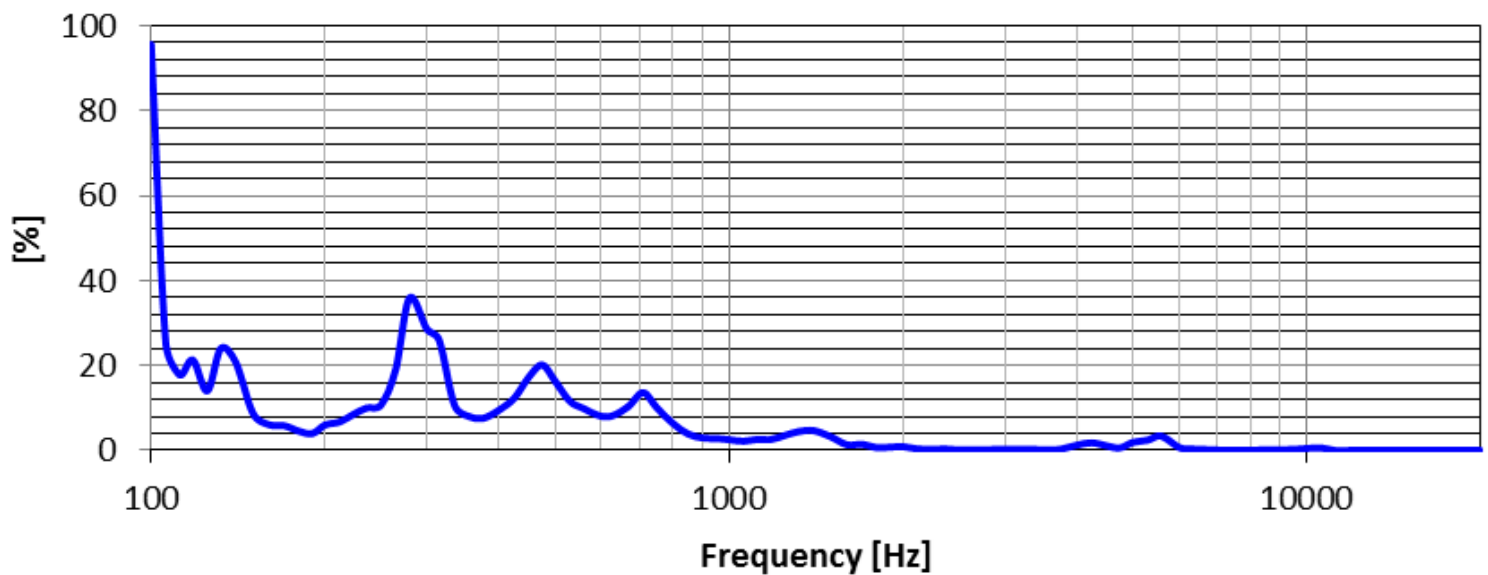
Frequency Response Curve

Test Conditions: 0.25 W / 10 cm

A: Frequency Response, Magn dB re 20.00 μ Pa/V

Total Harmonic Distortion Curve

Test Conditions: 0.25 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.



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