Additional Resources: Product Page | 3D Model

CUI DEVICES

date 09/16/2020

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MODEL: CMS-3520-18N | DESCRIPTION: SPEAKER

FEATURES

- micro-speaker
- 85 dB
- rated 1.0 W





SPECIFICATIONS

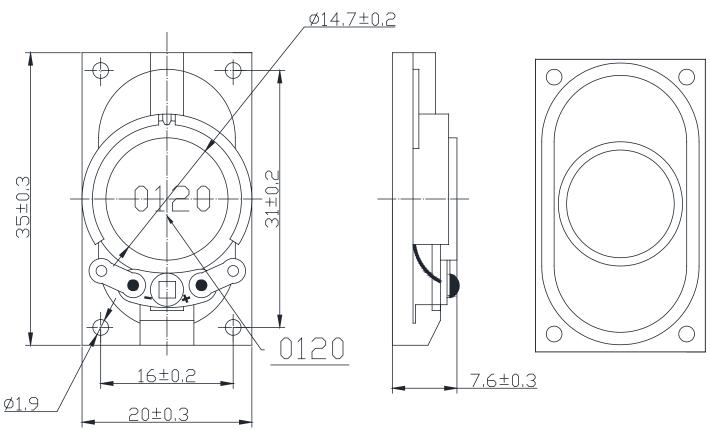
parameter	conditions/description	min	typ	max	units
input power	max power: 50 second on, 120 seconds off, 10 cycles		1.0	1.5	W
impedance	at 2.0 kHz, 1.0 V	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	560	700	840	Hz
frequency response		F0		10,000	Hz
sound pressure level	at 1.0 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz at 1.0 W, 10 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz	82 95	85 98	88 101	dB dB
distortion	at 1.0 kHz, rated power			10	%
buzz, rattle, etc.	must be normal at sine wave, frequency range			2.83	V
polarity	cone moves forward w/ positive dc current to "+" te	erminal			
dimensions	35 x 20 x 7.6				mm
magnet	Nd-Fe-B				
frame material	ABS				
cone material	cloth				
terminal	solder terminals				
weight			5.8		g
operating temperature		-20		60	°C
storage temperature		-30		70	°C
hand soldering	for maximum 3 seconds	370	380	390	°C
RoHS	yes				

Notes: 1. All specifications measured at $15\sim35^{\circ}$ C, humidity at $45\sim85^{\circ}$ K, under $86\sim106$ kPa pressure, unless otherwise noted.

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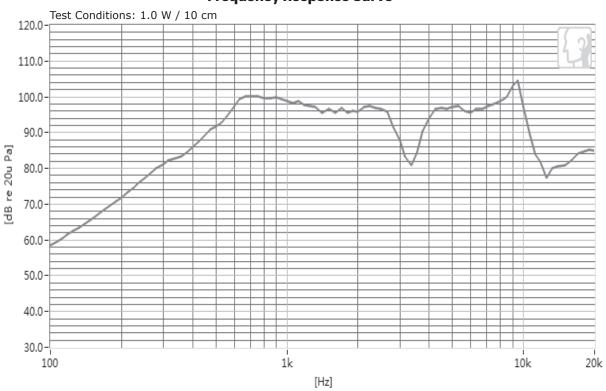
MECHANICAL DRAWING

units: mm tolerance: ±0.3 mm

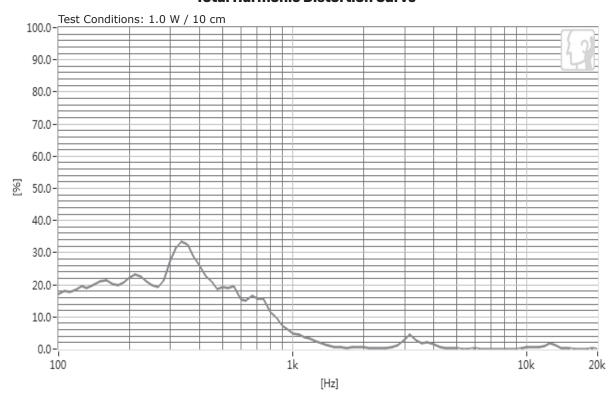


RESPONSE CURVES

Frequency Response Curve



Total Harmonic Distortion Curve

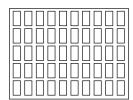


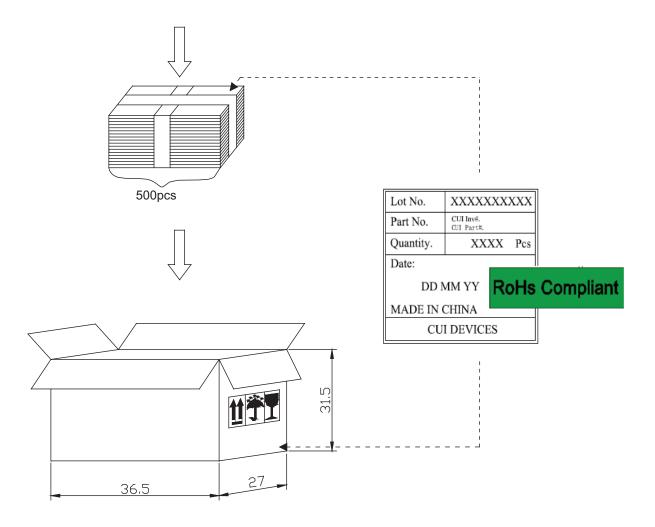
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PACKAGING

units: mm

Tray QTY: 50 pcs per tray Carton Size: 365 x 270 x 315 mm Carton QTY: 1,000 pcs per carton





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CUI Devices | MODEL: CMS-3520-18N | DESCRIPTION: SPEAKER date 09/16/2020 | page 5 of 5

REVISION HISTORY

rev.	description	date
1.0	initial release	09/16/2020

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

CUI DEVICES

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

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

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