

date 10/13/2016

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MODEL: CMS-160916-30-2 | DESCRIPTION: SPEAKER

FEATURES

- micro-speaker
- small footprint
- spring leads





SPECIFICATIONS

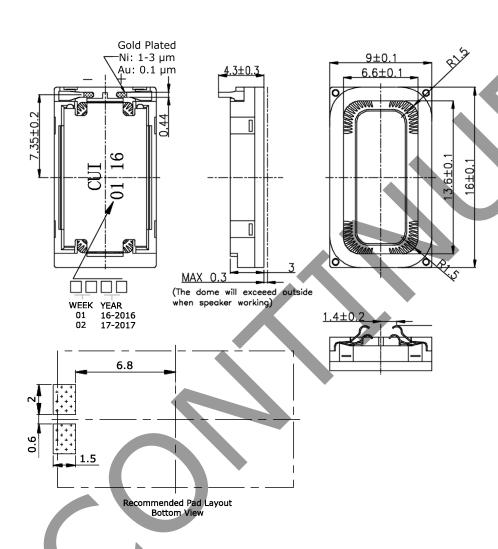
parameter	conditions/description	min	typ	max	units
input power	maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp in 1 cc closed box		0.7	1.0	W
impedance	at 2.0 kHz, 1.0 V	5.1	6.0	6.9	Ω
resonant frequency (Fo)	at 1.0 V at 1.0 V in 1 cc closed box	440 706	550 830	660 955	Hz Hz
frequency response	output SPL ±10 dB	Fo		20,000	Hz
sound pressure level	at 0.7 W, 0.1 m ave, at 2.0 kHz in 1 cc closed box	86.5	89.5	92.5	dB
distortion	at 1.0 kHz, 0.7 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo \sim 20 kHz in 1 cc closed box		2.05		V
polarity	cone will move forward with positive dc current to "+" terminal				
dimensions	16.0 x 9.0 x 3.0				mm
magnet	Nd-Fe-B				
material	PPA				
cone material	mylar				
terminal	spring contact				
weight			1.4		g
operating temperature		-20		60	°C
storage temperature		-40		85	°C
RoHS	2011/65/EU				

Notes: 1. All specifications measured at 5~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

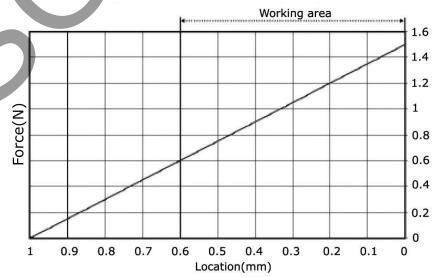
MECHANICAL DRAWING

units: mm

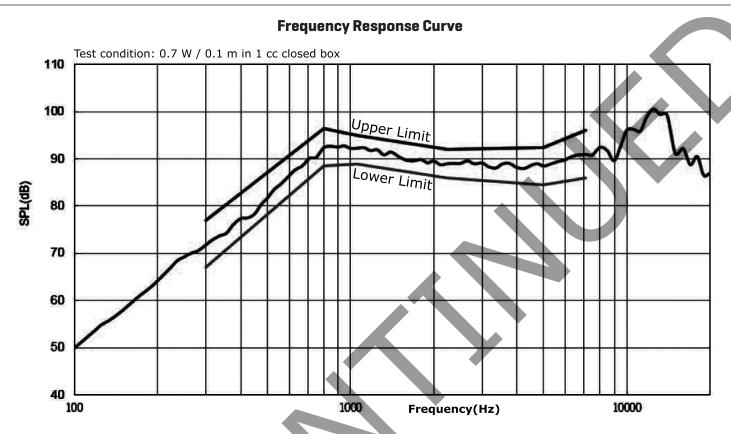
tolerance: ±0.3 mm



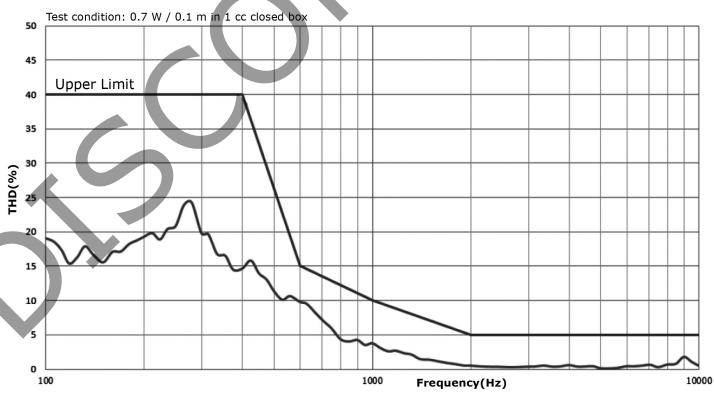
Force Progression Of One Spring Contact



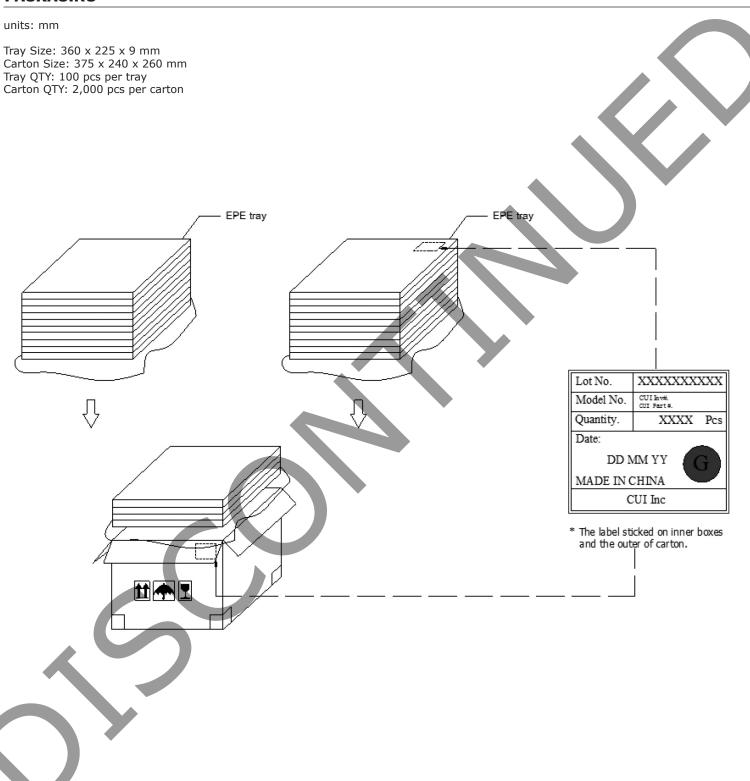
RESPONSE CURVES



Total Harmonic Distortion Curve



PACKAGING



REVISION HISTORY

rev.	description	date
1.0	initial release	10/13/2016

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



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