

**date** 07/06/2017

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MODEL: CMS-15118C-SP | DESCRIPTION: SPEAKER

#### **FEATURES**

- micro-speaker
- small footprint
- low profile
- spring leads





### **SPECIFICATIONS**

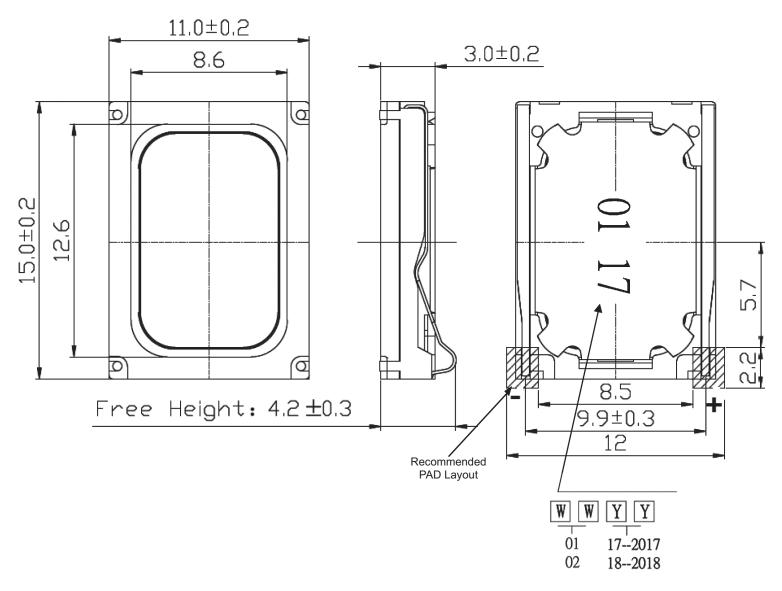
parameter	conditions/description	min	typ	max	units
input power	maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp in 1 cc closed box		0.8	1.0	W
impedance	at 2.0 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V at 1.0 V in 1 cc closed box	400 722.5	500 850	600 977.5	Hz Hz
frequency response	output SPL ±10 dB	Fo		10,000	Hz
sound pressure level	at 0.8 W, 0.1 m, at 2.0 kHz in 1 cc closed box	85	88	91	dB
distortion	at 1.0 kHz, 0.8 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo $\sim$ 20 kHz in 1 cc closed box		2.53		V
polarity	cone will move forward with positive dc current to "+" terminal				
dimensions	15 x 11 x 3				mm
magnet	Nd-Fe-B				
material	PPA				
cone material	mylar				
terminal	spring contact				
weight			1.4		g
operating temperature		-20		75	°C
storage temperature		-30		85	°C
RoHS	2011/65/EU	<u> </u>	<u> </u>		

Notes: 1. All specifications measured at  $5\sim35^{\circ}$ C, humidity at  $45\sim85\%$ , under  $86\sim106$  kPa pressure, unless otherwise noted.

# **MECHANICAL DRAWING**

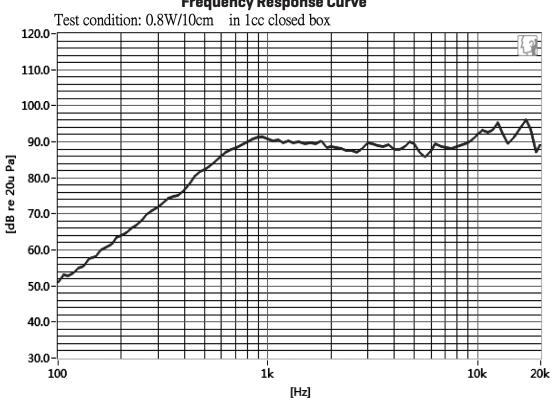
units: mm

tolerance: ±0.2 mm

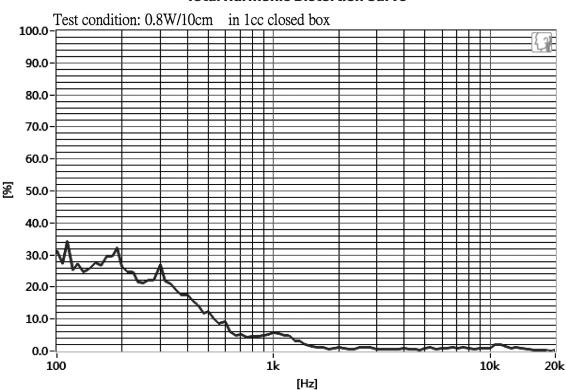


1. Maximum compression force between front frame and back frame & yoke is 5 N. .....

# **Frequency Response Curve**



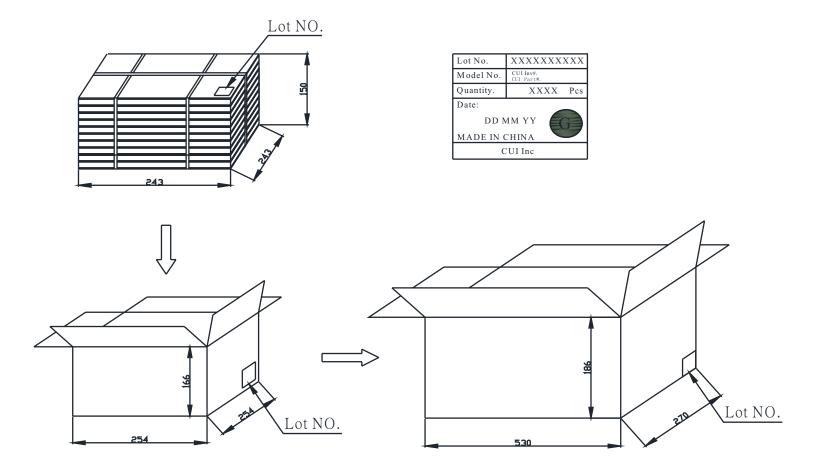
### **Total Harmonic Distortion Curve**



# **PACKAGING**

units: mm

Tray Size:  $243 \times 243 \times 10 \text{ mm}$  Carton Size:  $530 \times 270 \times 186 \text{ mm}$ Tray QTY: 120 pcs per tray Carton QTY: 3,600 pcs per carton



### **REVISION HISTORY**

rev.	description	date
1.0	initial release	07/06/2017

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



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