

**MODEL:** CMS-15116-SP | **DESCRIPTION:** SPEAKER**FEATURES**

- 6  $\Omega$  impedance
- micro-speaker
- small footprint
- spring leads

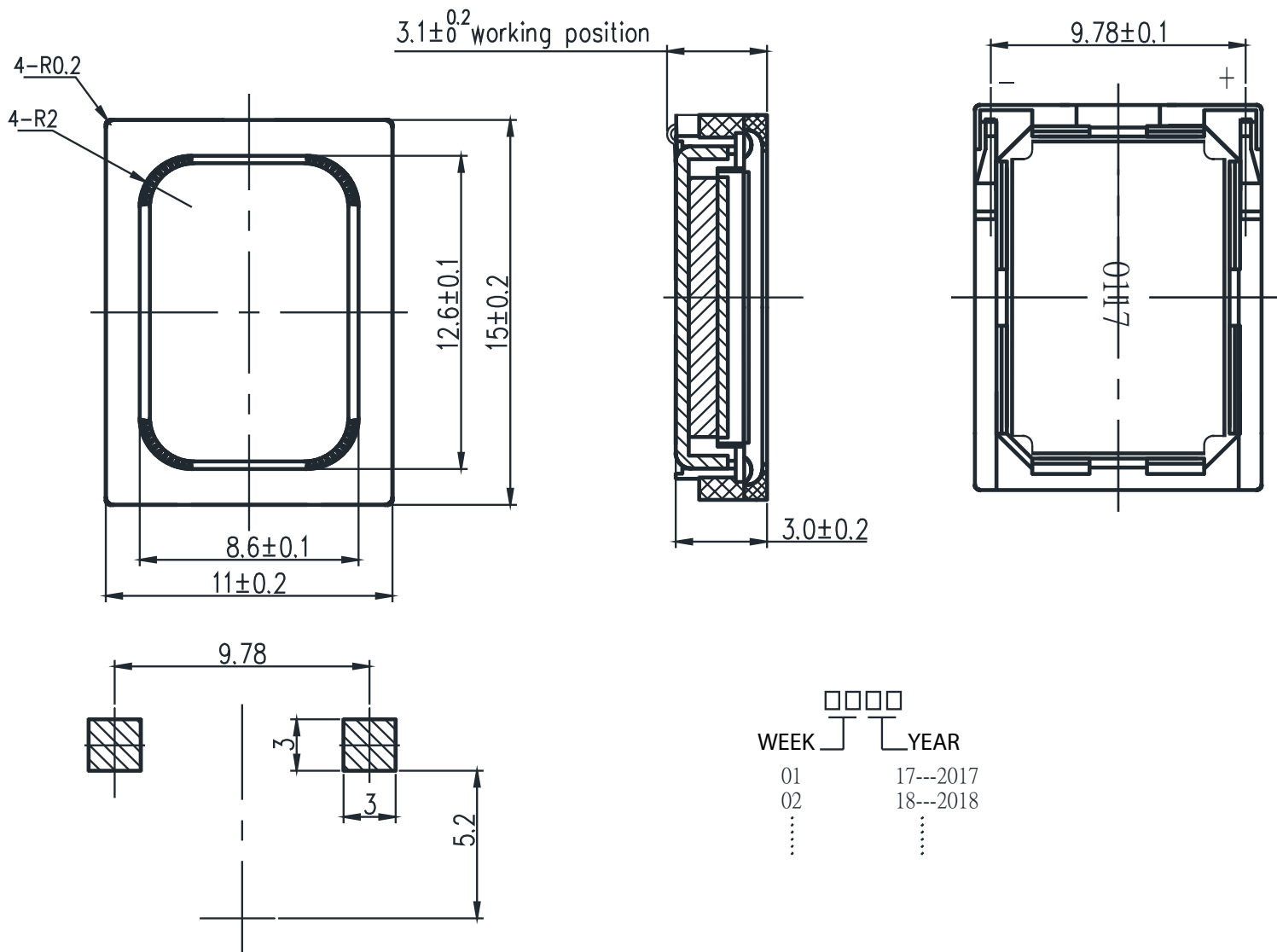
**SPECIFICATIONS**

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		0.94	1.3	W
impedance	at 2.0 kHz, 1.0 V	5.1	6	6.9	$\Omega$
resonant frequency (Fo)	at 1.0 V at 1.0 V in 1cc closed box	467.5 765	550 900	632.5 1,035	Hz Hz
frequency response	output SPL $\pm$ 10 dB	Fo		15,000	Hz
sound pressure level	at 0.94 W, 0.1 m ave, at 1.0, 1.5, 2.0, 3.0 kHz in 1 cc closed box	86	89	92	dB
distortion	at 1.0 kHz, 0.94 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20 kHz in 1 cc closed box		2.37		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	PEEK				
terminal	spring contact				
weight			1.4		g
operating temperature		-30		70	$^{\circ}$ C
storage temperature		-40		85	$^{\circ}$ C
RoHS	yes				

Notes: 1. All specifications measured at 5-35 $^{\circ}$ C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm

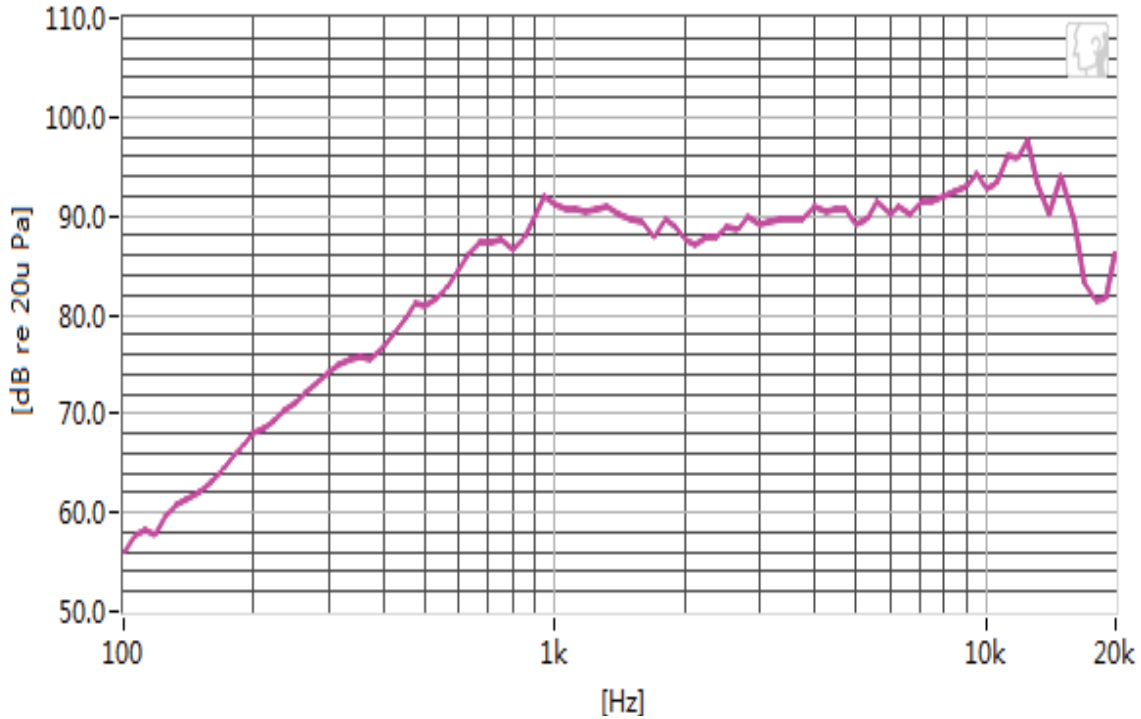


Recommended Pad Layout  
Top View

## RESPONSE CURVES

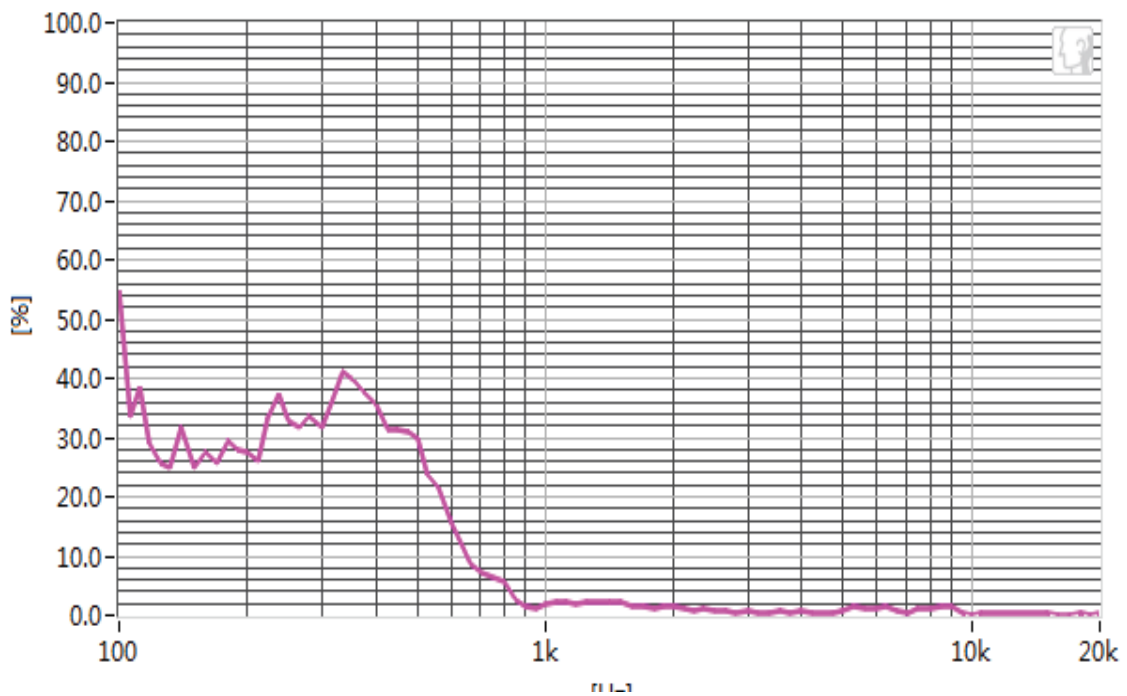
### Frequency Response Curve

Test condition: 0.94W/10cm in 1cc box



### Total Harmonic Distortion Curve

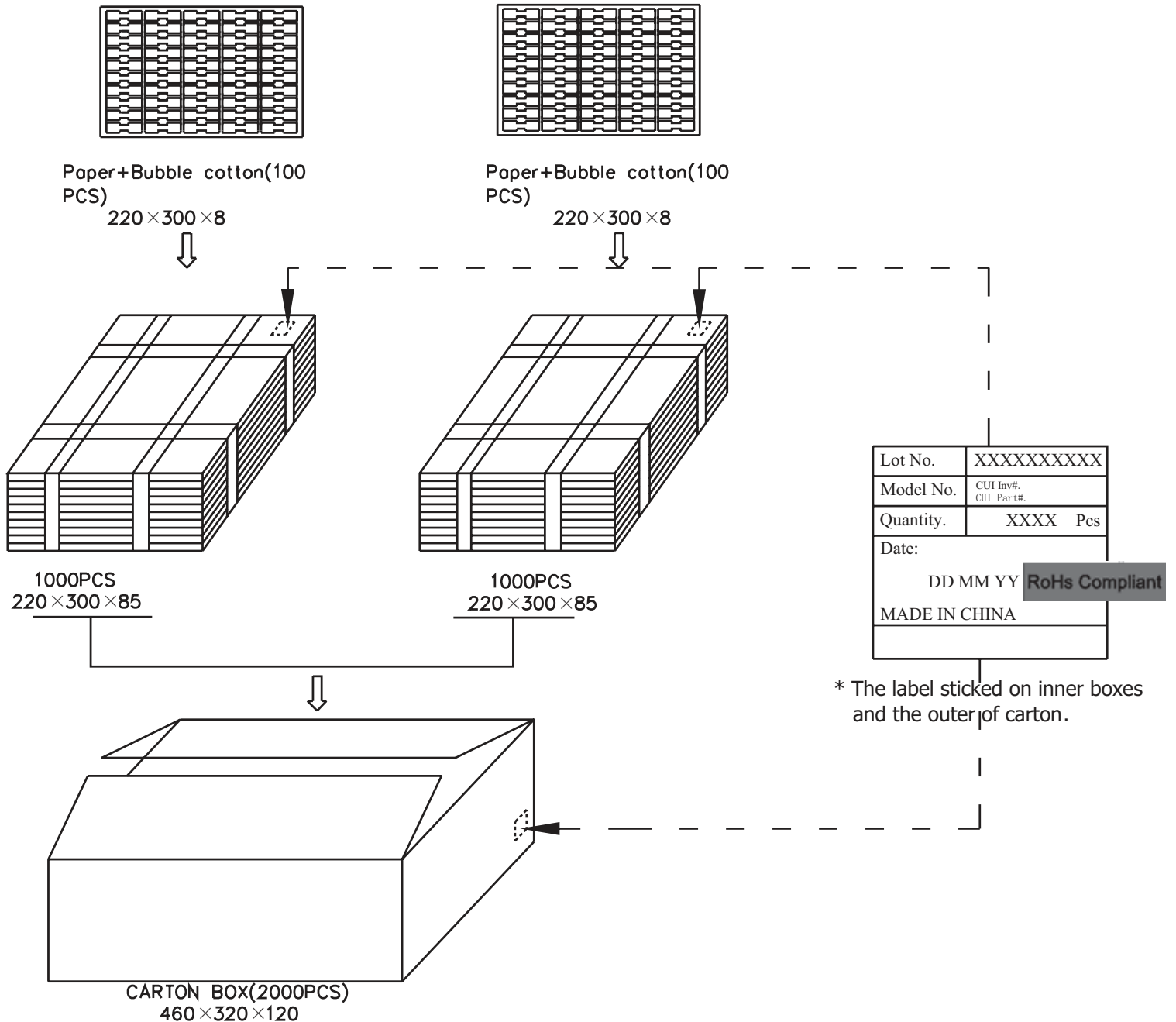
Test condition: 0.94W/10cm in 1cc closed box



## PACKAGING

units: mm

Tray Size: 220 x 300 x 8 mm  
 Inner Unit Size: 220 x 300 x 85 mm  
 Carton Size: 460 x 320 x 120 mm  
 Tray QTY: 100 pcs per tray  
 Inner Unit QTY: 1,000 pcs per unit  
 Carton QTY: 2,000 pcs per carton  
 N.W.: 2.7 KGS  
 G.W.: 3.95 KGS



## REVISION HISTORY

rev.	description	date
1.0	initial release	08/14/2017
1.01	updated datasheet	12/19/2017
1.02	brand update	01/21/2020
1.03	logo, datasheet style update	08/05/2022

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



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