

MODEL: CMS-29958F | **DESCRIPTION:** SPEAKER**FEATURES**

- miniature speaker
- 650 Hz resonant frequency
- ferrite magnet

**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		0.1	0.2	W
impedance	at 1.0 kHz, 1.0 V	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	520	650	780	Hz
frequency response	output SPL ± 10 dB	Fo		4,000	Hz
sound pressure level	at 0.1 W, 0.1 m ave, at 1.0, 1.2, 1.5, 2.0 kHz at 1 W, 1 m ave, at 1.0, 1.2, 1.5, 2.0 kHz	85 75	88 78	91 81	dB dB
distortion	at 1.0 kHz, 0.1 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 4,000 kHz		0.89		V
dimensions	$\varnothing 29.0 \times 9.5$				mm
magnet	ferrite ($\varnothing 16.0 \times 7 \times 5$ mm)				
material	ABS UL-94 1/16" HB				
cone material	PET				
terminal	solder pads				
weight			8.0		g
operating temperature		-20		55	$^{\circ}\text{C}$
storage temperature		-20		55	$^{\circ}\text{C}$
RoHS	yes				

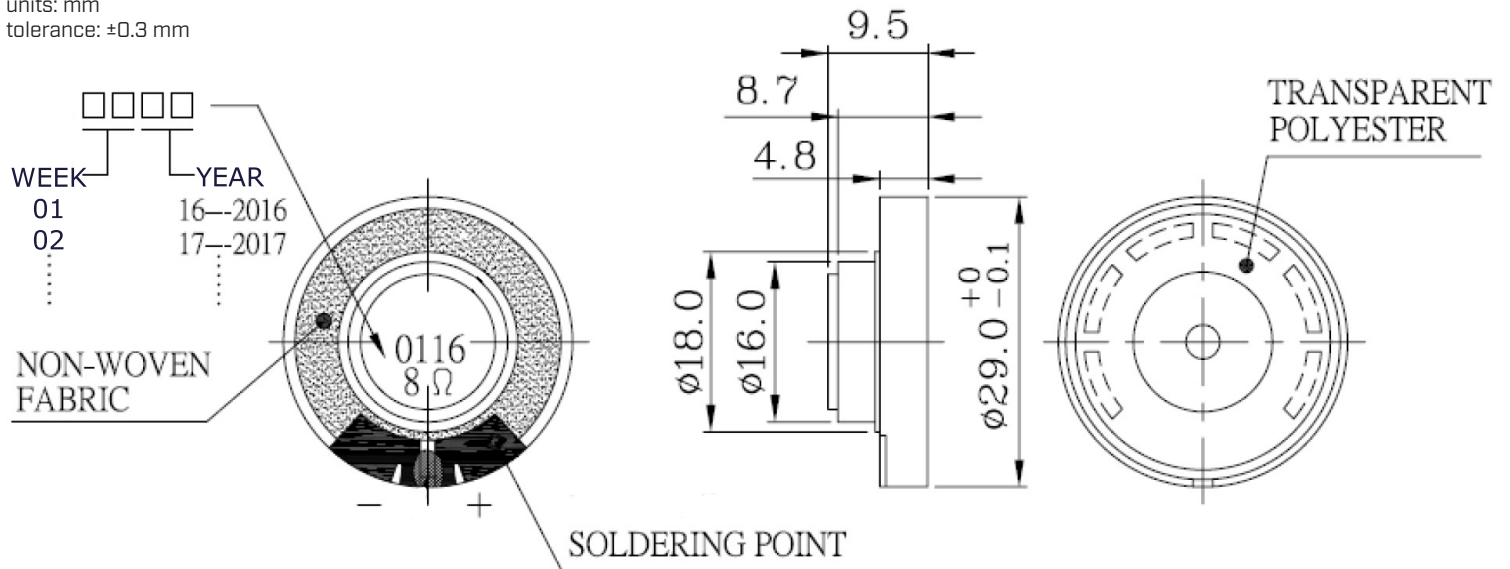
Notes: 1. All specifications measured at 5-35 $^{\circ}\text{C}$, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

SOLDERABILITY

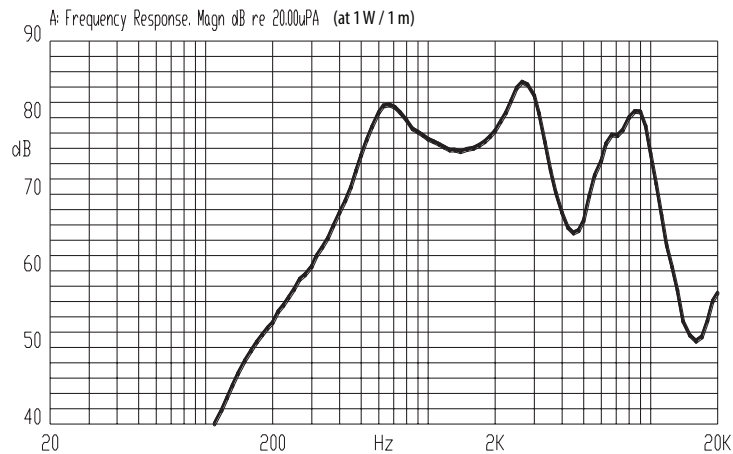
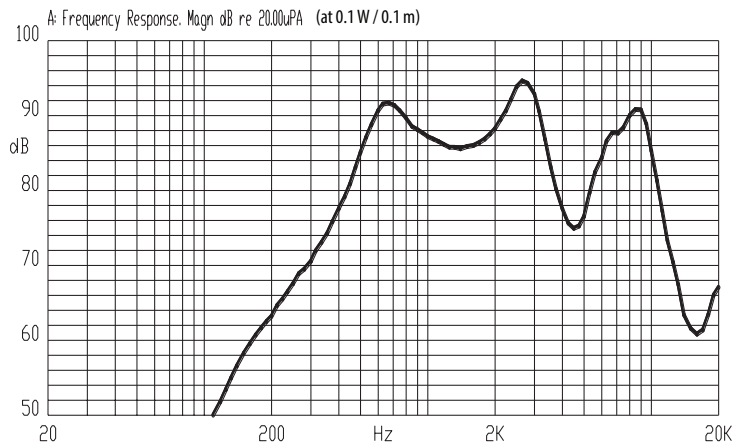
parameter	conditions/description	min	typ	max	units
hand soldering	for 3 ± 1 seconds	360	370	380	$^{\circ}\text{C}$

MECHANICAL DRAWING

units: mm
tolerance: ±0.3 mm



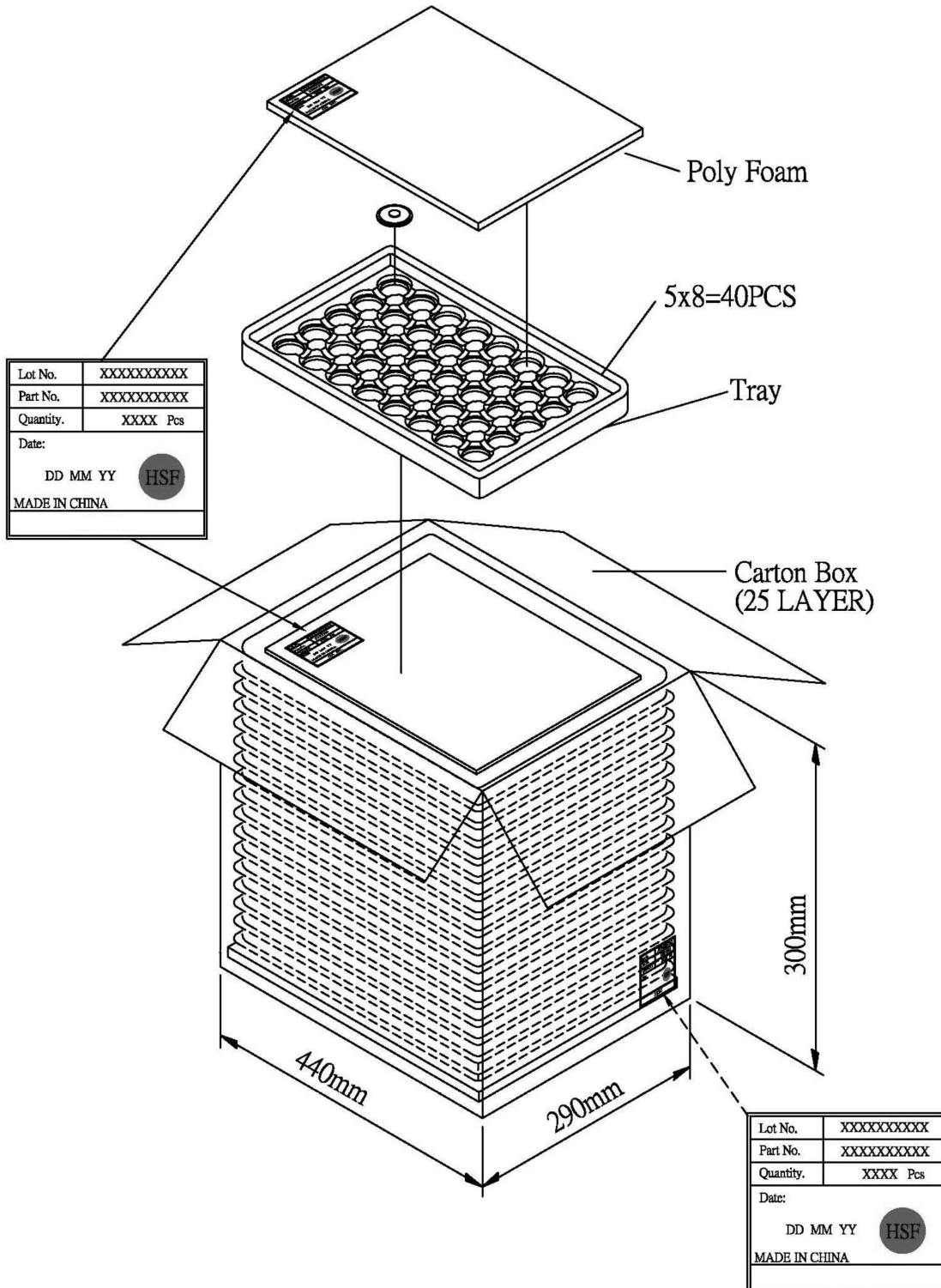
FREQUENCY RESPONSE CURVES



PACKAGING

units: mm

Tray Size: 420 x 270 x 22 mm
 Carton Size: 440 x 290 x 300 mm
 Tray QTY: 40 pcs per tray
 Carton QTY: 1,000 pcs per carton



REVISION HISTORY

rev.	description	date
1.0	initial release	06/24/2016
1.01	brand update	01/20/2020
1.02	logo, datasheet style update	08/05/2022

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



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

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