CUI DEVICES

date 10/27/2020

page 1 of 5

SERIES: CMS-40504N-L152 | DESCRIPTION: SPEAKER

FEATURES

- low profile
- 500 Hz resonant frequency
- wire leads with connector options





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		2.0	2.5	W
impedance	at 2.0 kHz, 1.0 V	3.4	4	4.6	Ω
resonant frequency (Fo)	at 1.0 V	400	500	600	Hz
frequency response	output SPL -10 dB	Fo		7,000	Hz
sound pressure level	at 1.0 W, 0.1 m ave, at 0.8 ,1.0, 1.2, 1.5 kHz at 2.0 W, 0.5 m ave, at 0.8 ,1.0, 1.2, 1.5 kHz	97 86	100 89	103 92	dB dB
distortion	at 1.0 kHz, 1.0 W			5	%
buzz, rattle, etc.	must be normal at sine wave between Fo $\sim 10,000~\text{Hz}$		2.83		V
dimensions	Ø40 x 5.0				mm
magnet	Nd-Fe-B				
material	metal				
cone material	mylar				
terminal	wire leads				
weight			12.4		g
operating temperature		-30		70	°C
storage temperature		-40		85	°C
hand soldering	for maximum 3 seconds	370	380	390	°C
RoHS	yes				

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

PART NUMBER KEY



Base Number

Termination Options:

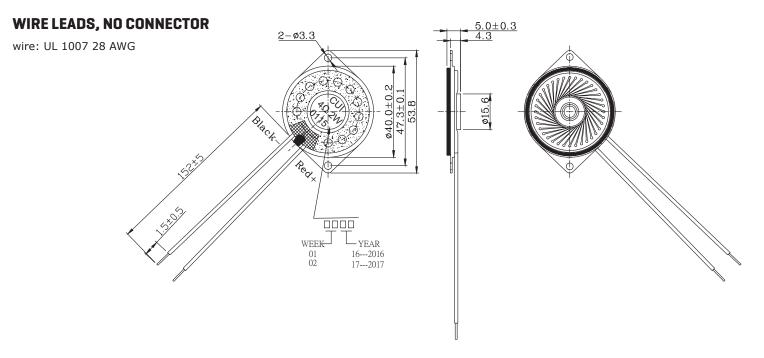
"blank" = wire leads, no connector

A = wire leads with Molex housing 51021-0200 B = wire leads with JST housing SHR-02V-S-B

MECHANICAL DRAWINGS

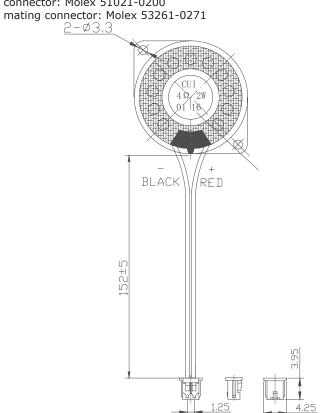
units: mm

tolerance: ±0.2 mm



WIRE LEADS WITH MOLEX CONNECTOR

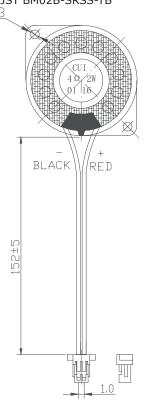
wire: UL 1571 28 AWG connector: Molex 51021-0200



WIRE LEADS WITH JST CONNECTOR

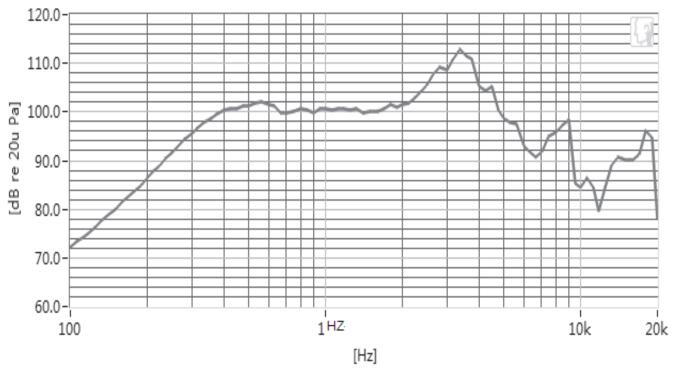
wire: UL 1571 28 AWG connector: JST SHR-02V-S-B

mating connector: JST BM02B-SRSS-TB $2-\emptyset 3.3$



FREQUENCY RESPONSE CURVE

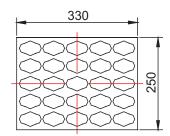
Frequency Response.Magn dB re 20.00μ PA AT 1 W / 0.1 m

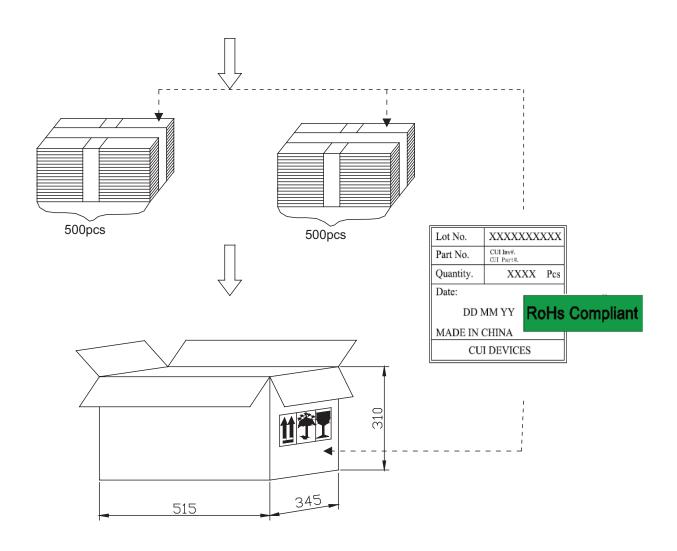


PACKAGING

units: mm

Tray Size: $330 \times 250 \times 13 \text{ mm}$ Carton Size: $515 \times 345 \times 310 \text{ mm}$ Tray QTY: 25 pcs per tray Carton QTY: 1,000 pcs per carton





REVISION HISTORY

rev.	description	date	
1.0	initial release	06/28/2016	
1.01	brand update	01/22/2020	
1.02	added Molex and JST connector options	10/27/2020	

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

CUI DEVICES

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