CUI Devices is now Same Sky! Learn More

SERIES: CMS-23558N-L152 | DESCRIPTION: SPEAKER

FEATURES

- 550 Hz resonant frequency
- Nd-Fe-B magnet
- wire leads with connector options
- adhesive tape for mounting



RoHS

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		1.0	1.5	W
impedance	at 2.0 kHz	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 V	440	550	660	Hz
frequency response	output SPL -10 dB	Fo		20,000	Hz
sound pressure level	at 1.0 W, 0.1 m ave, at 0.8, 1.0, 1.2, 1.5 kHz at 1.0 W, 0.5 m ave, at 0.8, 1.0, 1.2, 1.5 kHz	91 77	94 80	97 83	dB dB
distortion	at 1.0 kHz, 1.0 W			10	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20,000 Hz		2.83		V
dimensions	Ø23 x 5.5				mm
magnet	Nd-Fe-B				
material	metal				
cone material	PEI				
terminal	wire leads				
weight			4.5		g
operating temperature		-20		55	°C
storage temperature		-30		70	°C
hand soldering	for maximum 3 seconds	370	380	390	°C
RoHS	yes				

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

PART NUMBER KEY

CMS-23558N-L152 **X**

Base Number

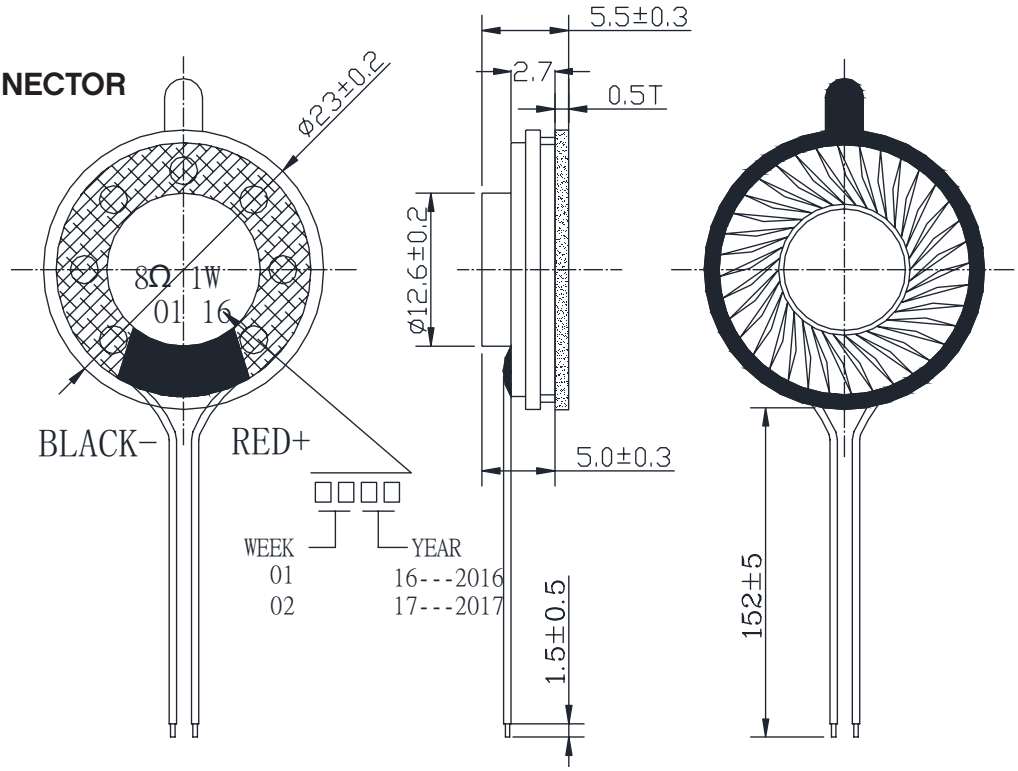
Termination Options:
"blank" = wire leads, no connector
A = wire leads with Molex housing 51021-0200
B = wire leads with JST housing SHR-02V-S-B

MECHANICAL DRAWINGS

units: mm
tolerance: ±0.2 mm

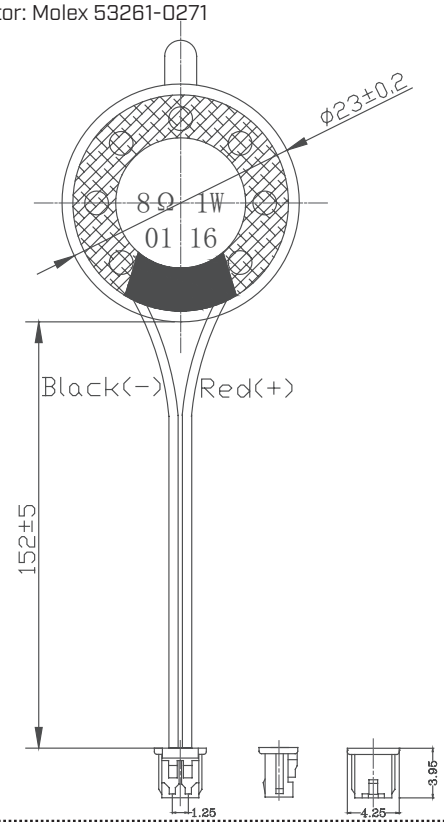
WIRE LEADS, NO CONNECTOR

wire: UL 1007 28 AWG



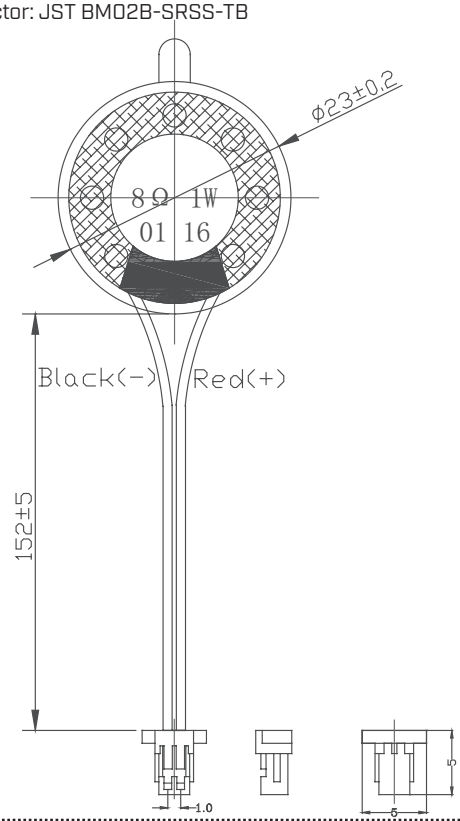
WIRE LEADS WITH MOLEX CONNECTOR

wire: UL 1571 28 AWG
connector: Molex 51021-0200
mating connector: Molex 53261-0271

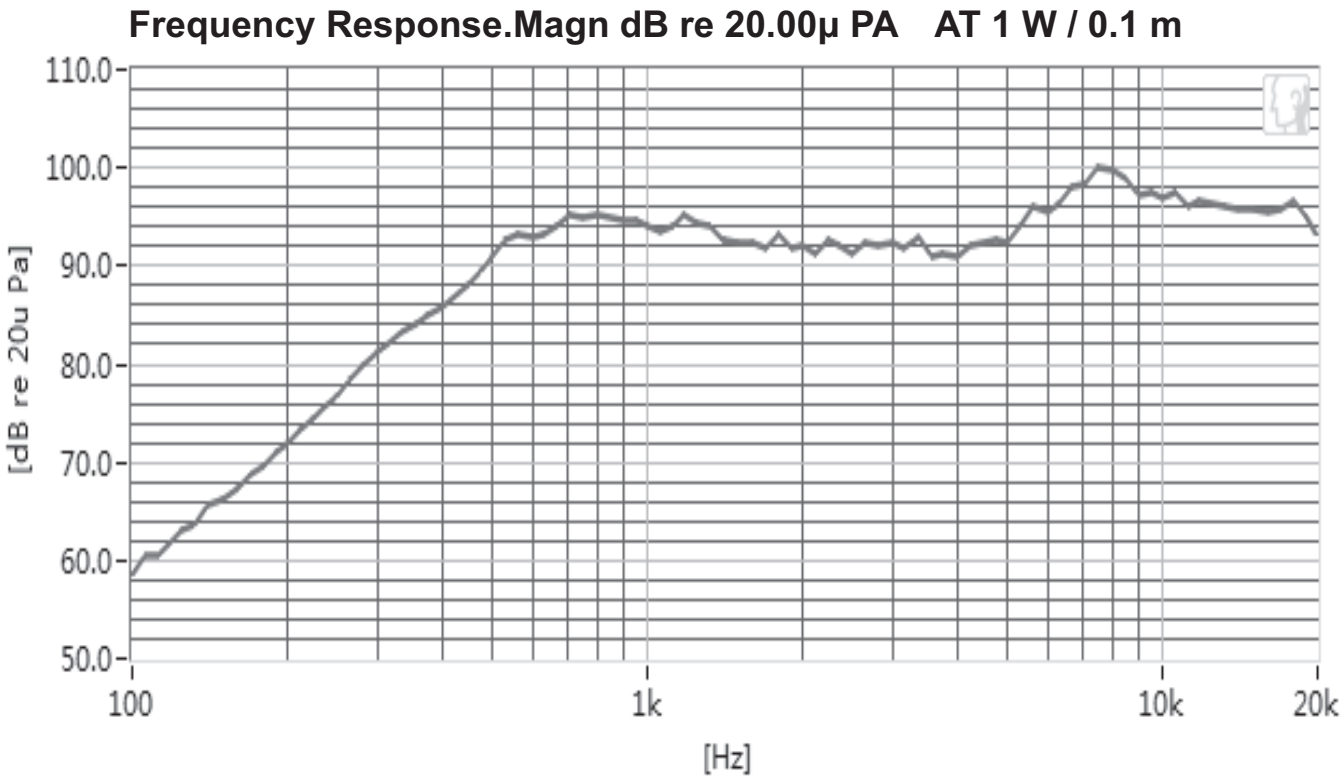


WIRE LEADS WITH JST CONNECTOR

wire: UL 1571 28 AWG
connector: JST SHR-02V-S-B
mating connector: JST BM02B-SRSS-TB



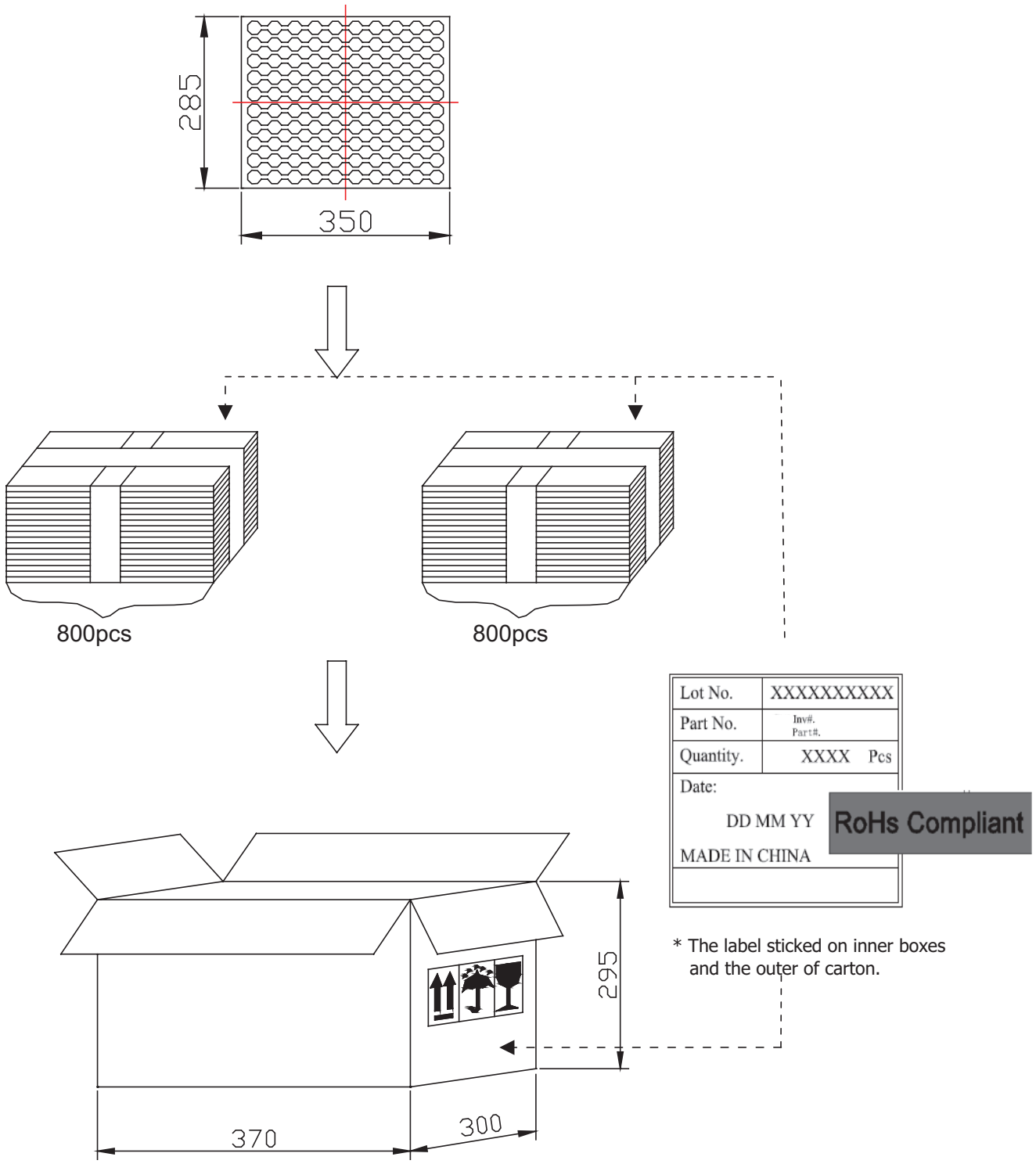
FREQUENCY RESPONSE CURVE



PACKAGING

units: mm

Tray Size: 350 x 285 x 15 mm
Carton Size: 370 x 300 x 295 mm
Tray QTY: 100 pcs per tray
Carton QTY: 1,600 pcs per carton



* The label sticked on inner boxes and the outer of 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	10/23/2020
1.03	logo, datasheet style update	08/05/2022
1.04	added feature for adhesive tape	07/31/2023
1.05	CUI Devices rebranded to Same Sky	09/11/2024

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

same sky

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Same Sky products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

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