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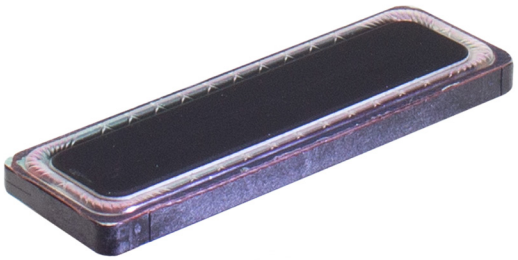
SERIES: CMS-40134-24X | DESCRIPTION: SPEAKER

FEATURES

- low resonance frequency
- long profile
- multiple termination options



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: 1 min on, 2 min off, 10 cycles, in 5 cc box		2.0	2.5	W
impedance	at 2.0 kHz, 2.83 Vrms, in 5 cc box	3.2	4.0	4.8	Ω
coil resistance		3.42	3.80	4.18	Ω
resonant frequency (Fo)	in 5 cc box	440	550	660	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 2.0 W, 10 cm, at 2.0 kHz in 5 cc box	95	98	101	dB
distortion	at rated power, 1.0 kHz, 10 cm, in 5 cc box on baffle			10	%
buzz, rattle, etc.	must be normal at sine wave, between 0.2~2.0 kHz in 5 cc box			2.83	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	40 x 13 x 4				mm
magnet	Nd-Fe-B				
frame material	PPA				
cone material	PEEK				
weight	solder pads model wire leads model		7.0 7.5		g g
operating temperature		-20		60	°C
storage temperature		-30		70	°C
hand soldering	for 3~5 seconds	370	380	390	°C
RoHS	yes				

Notes: 1. All specifications measured at 15~35°C, humidity at 45~85%, under 86~106 kPa pressure, unless otherwise noted.

PART NUMBER KEY

CMS - 40134 - 24 **XX**

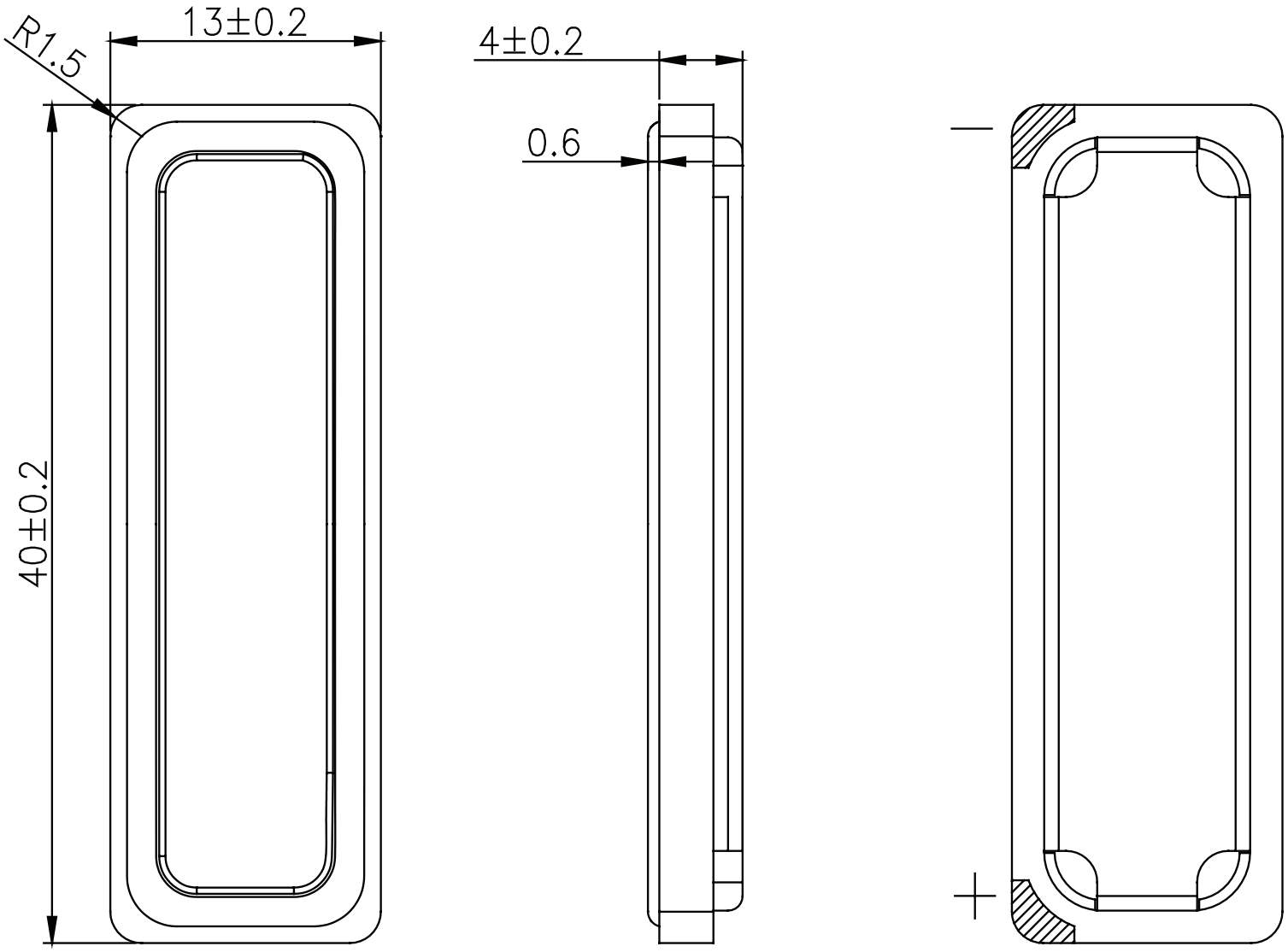
Base Number

Termination Options:
SP = solder pads
L200 = wire leads

MECHANICAL DRAWING (SOLDER PADS)

units: mm
tolerance: ±0.2 mm

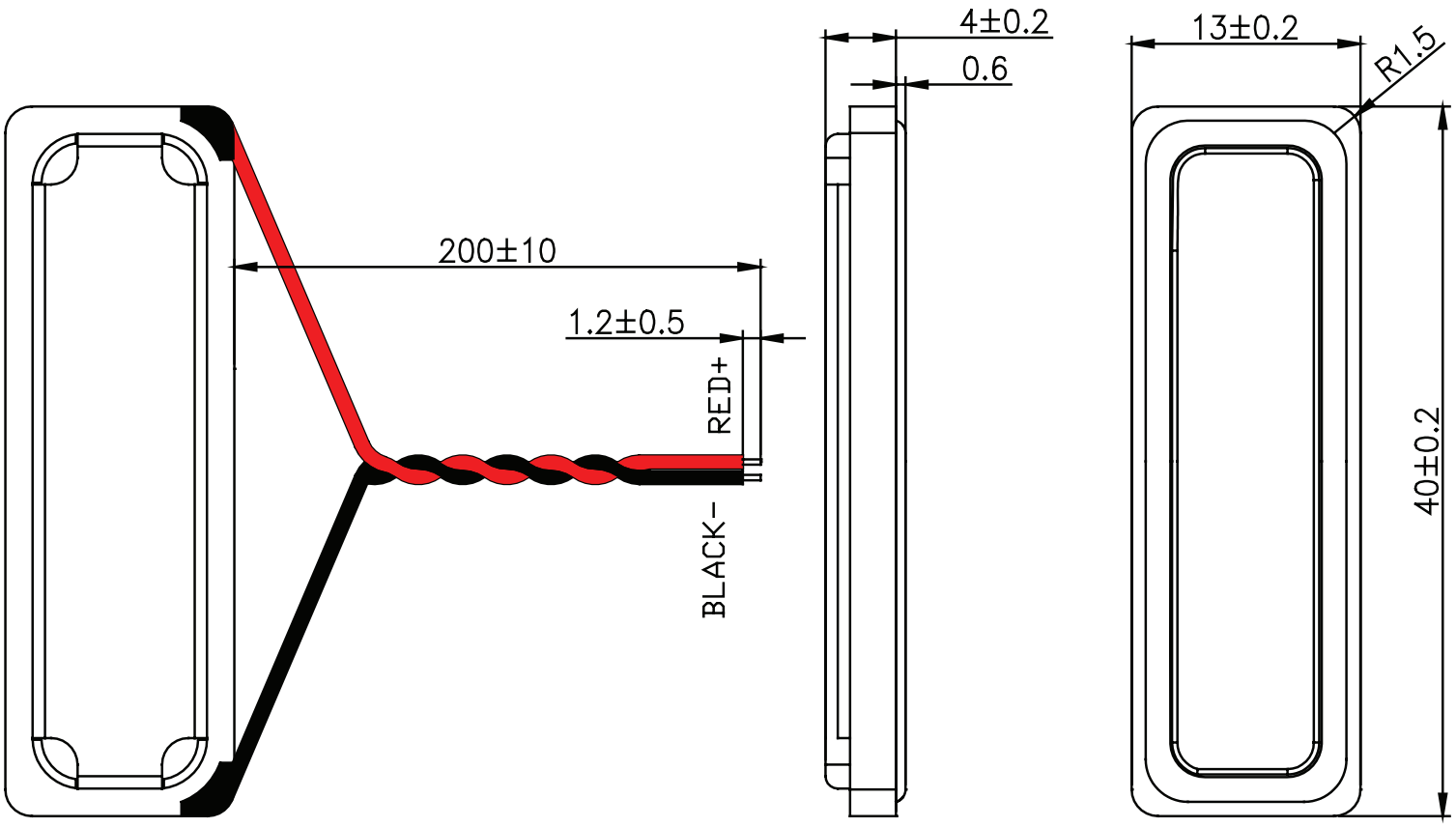
used in enclosed speaker CES-46257-24-L200



MECHANICAL DRAWING (WIRE LEADS)

units: mm
tolerance: ±0.2 mm

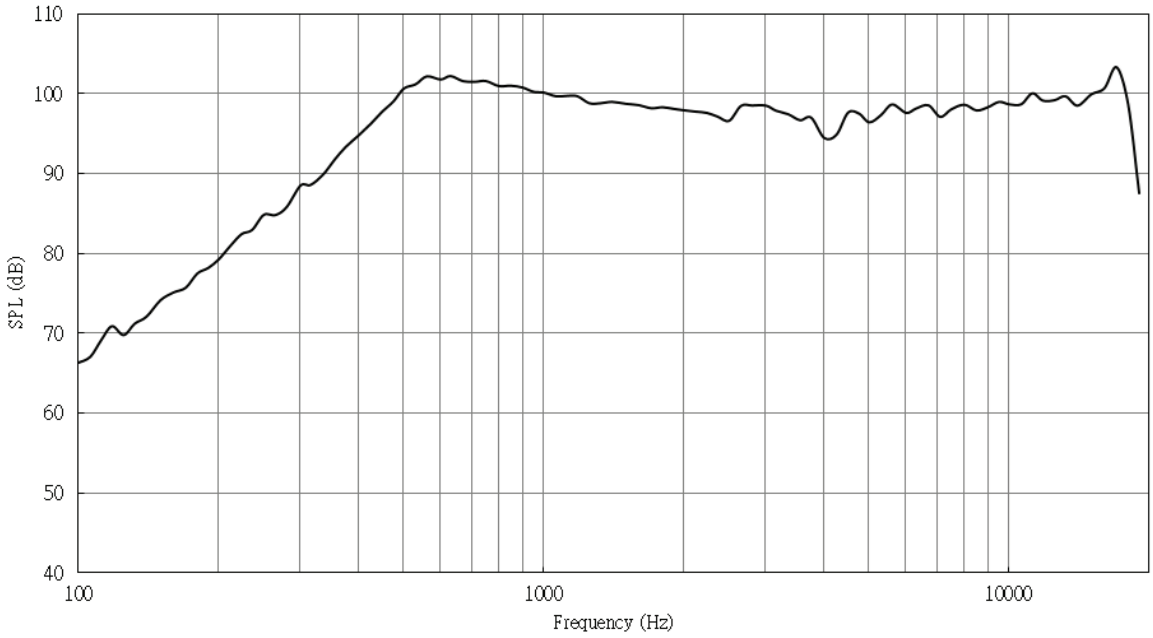
wire: UL1571 30 AWG
used in enclosed speaker CES-46257-24-L200



RESPONSE CURVES

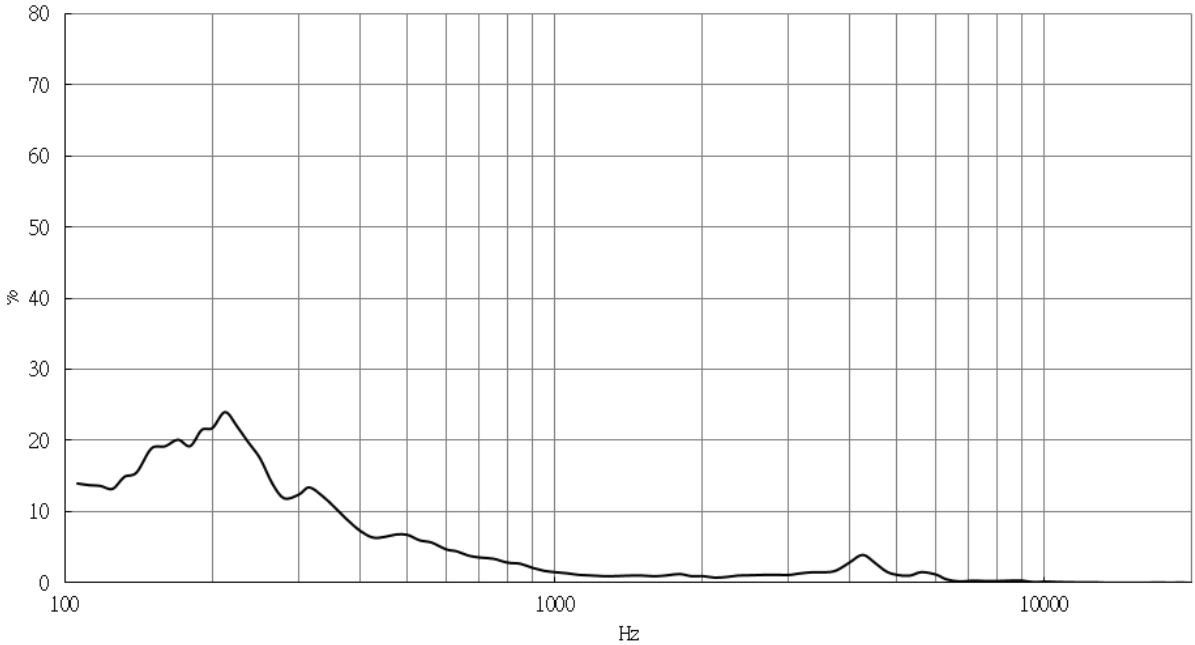
Frequency Response Curve

Test Conditions: 2.83 Vrms/10 cm in 5 cc box



Total Harmonic Distortion Curve

Test Conditions: 2.83 Vrms/10 cm in 5 cc box



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	2.813
Electrical Q Factor	Qes	2.288
Total Q Factor	Qts	1.262
Compliance Equivalent Volume	Vas	0.008

Notes: 2. Results represent typical performance in Free Air conditions.

REVISION HISTORY

rev.	description	date
1.0	initial release	12/01/2025

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

same sky

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