

**SERIES:** CDS-4237-067X | **DESCRIPTION:** SPEAKER**FEATURES**

- 200 Hz resonant frequency
- operating temperature up to +85° C
- multiple termination options

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power	max power: pink noise, 1 min on, 2 min off, 10 cycles		0.06	0.10	W
impedance	at 2 kHz, 0.65 Vrms	5.95	7.00	8.05	Ω
coil resistance		5.27	6.20	7.13	Ω
resonant frequency [Fo]	at 0.65 Vrms, 3 cm, in free air	160	200	240	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 0.06 W, 3 cm, 1 khz, in free air	95	98	101	dB
distortion	at 1.0 kHz, 0.06 W, 3 cm			10	%
buzz, rattle, etc.	must be normal at sine wave, from 0.2~2 kHz			0.65	Vrms
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	42 x 24 x 3.76				mm
magnet	Nd-Fe-B				
frame material	PC110				
cone material	PU				
weight			4.1		g
operating temperature		-20		60	°C
storage temperature		-30		85	°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**CDS - 4237 - 067 X**

Base Number

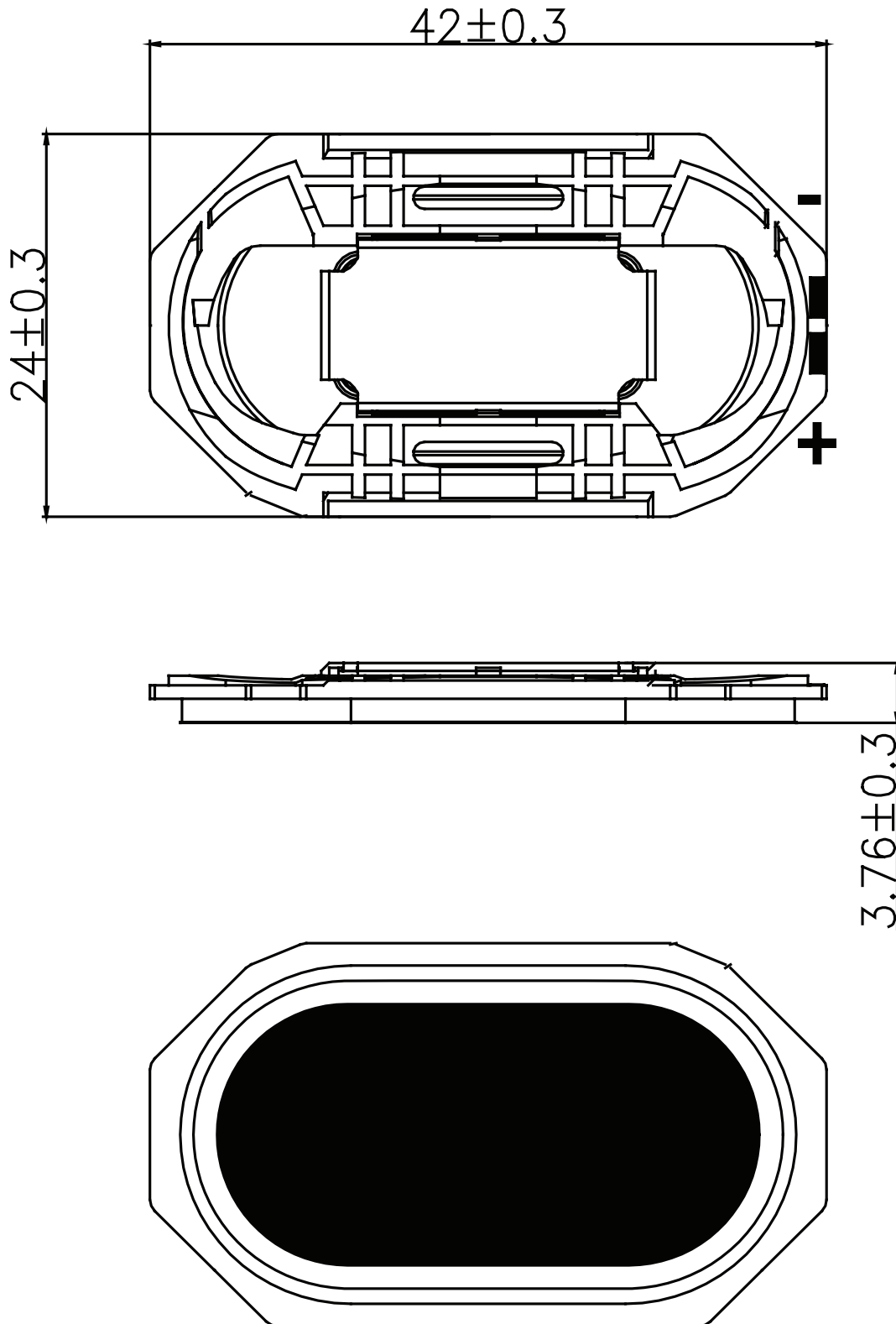
Termination Options:

SP = solder pad

L200 = 200 mm wire leads

MECHANICAL DRAWING (SOLDER PAD)

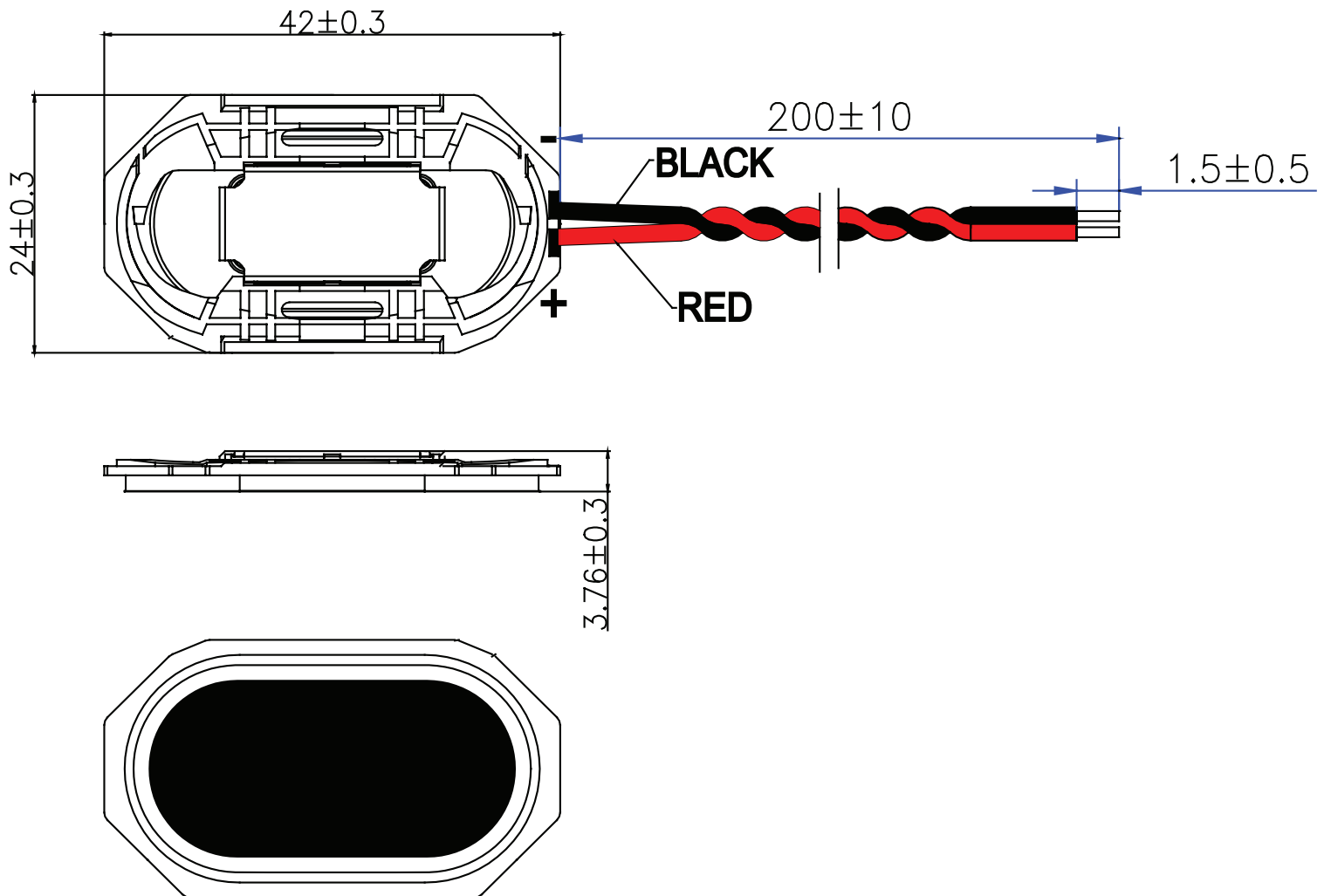
units: mm
tolerance: ± 0.2 mm



MECHANICAL DRAWING (WIRE LEADS)

units: mm
tolerance: ± 0.2 mm

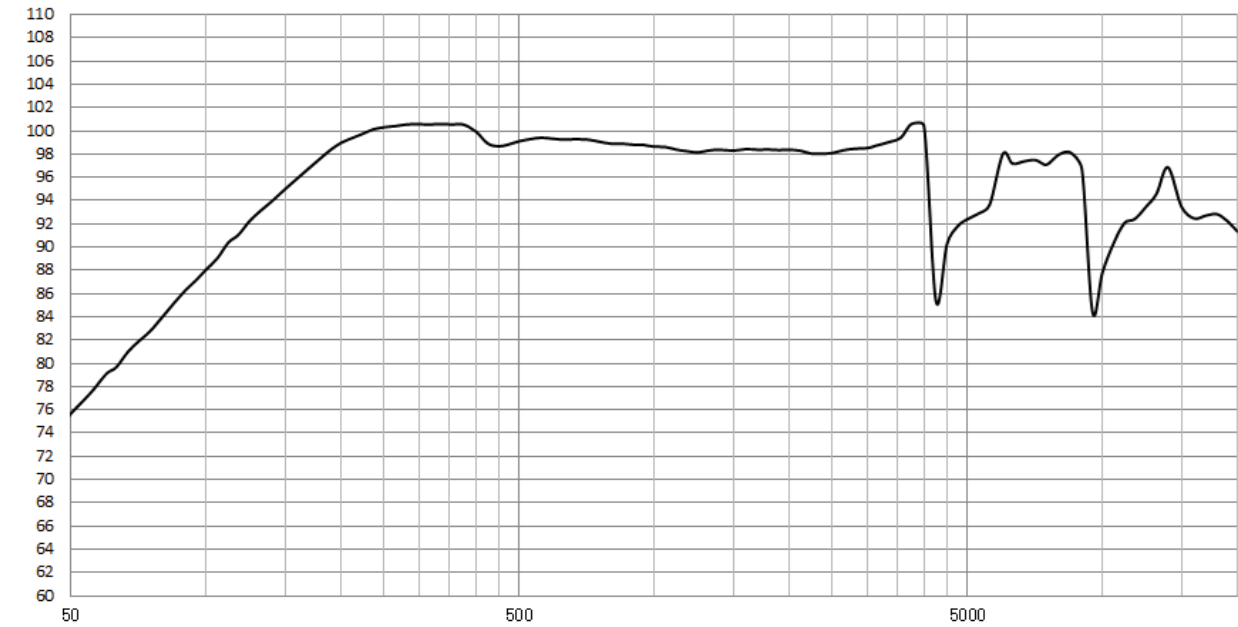
wire: UL1571 30 AWG



RESPONSE CURVES

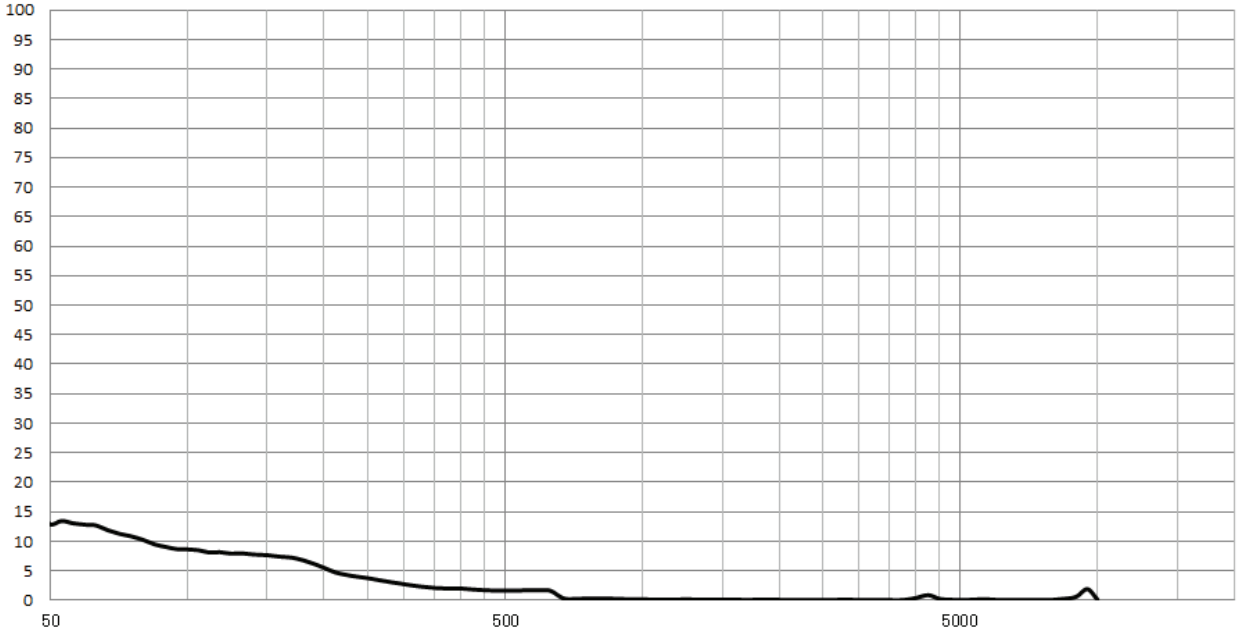
Frequency Response Curve

Test Conditions: 0.06 W (0.65 V) / 3 cm



Total Harmonic Distortion Curve

Test Conditions: 0.06 W (0.65 V) / 3 cm



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	2.032
Electrical Q Factor	Qes	2.422
Total Q Factor	Qts	1.105
Compliance Equivalent Volume	Vas	0.0639

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

REVISION HISTORY

rev.	description	date
1.0	initial release	04/21/2026

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



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