CUI Devices is now Same Sky! Learn More

SERIES: CMS-255-18X | DESCRIPTION: SPEAKER

FEATURES

- mesh grill included
- 96 dB @ 0.1 m
- multiple terminations



RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power	max power: IEC-60268-5, filter 60 seconds on, 120 seconds off, 10 cycles (room temp)		1.5	1.8	W
impedance	at 2.0 kHz, 1.0 Vrms	6.8	8	9.2	Ω
resonant frequency (Fo)	at 1.0 Vrms	520	650	780	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 1.0 W, 10 cm, avg at 1.0, 1.2, 1.5, 2.0 kHz	93	96	99	dB
distortion	at 1.0 kHz, 1.0 W			8	%
buzz, rattle, etc.	not audible at sine wave between Fo~5 kHz			3.46	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	Ø25.0 x 5.0				mm
magnet	Nd-Fe-B				
frame material	PBT				
cone material	PET				
weight	solder pad model wire leads model		4.2 4.9		g g
operating temperature		-20		60	°C
storage temperature		-30		70	°C
hand soldering	for 1~3 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

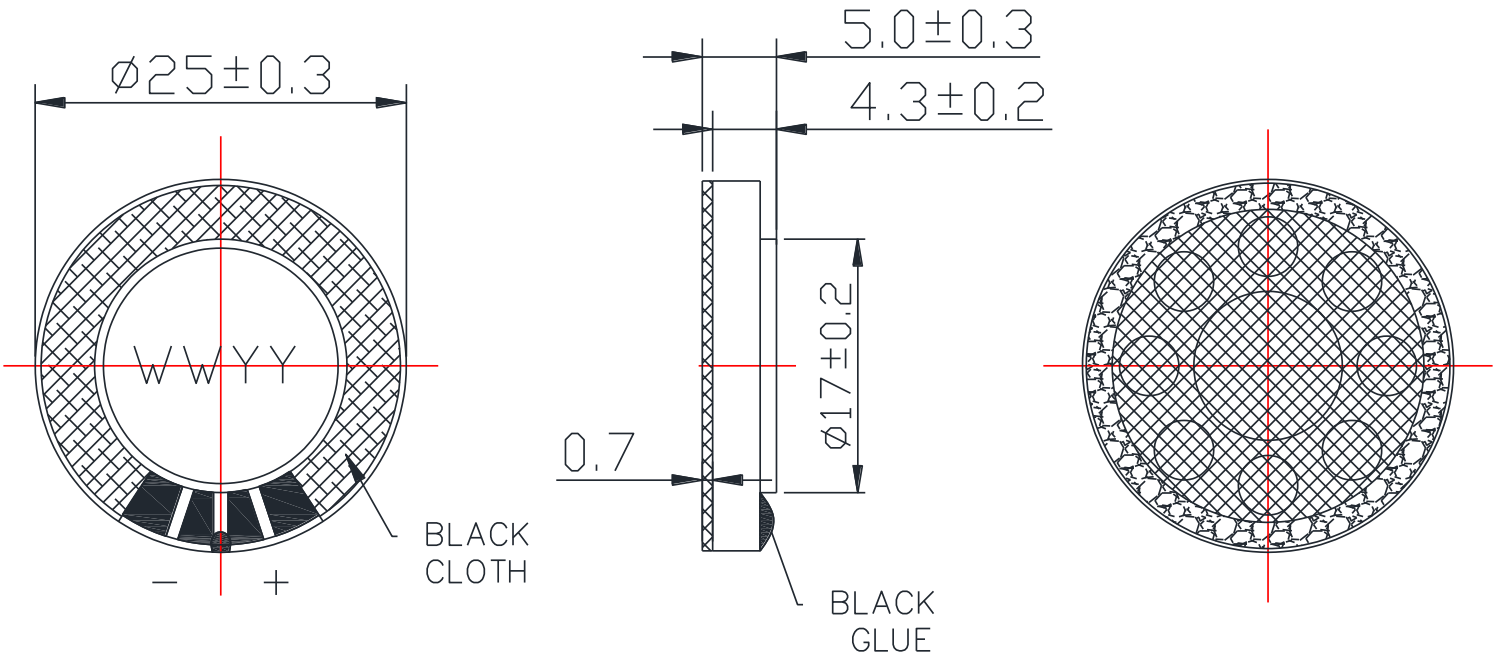
CMS - 255 - 18 **XX**

Base Number

Termination Options:
SP = solder pads
L200 = 200 mm wire leads

MECHANICAL DRAWING (SOLDER PADS)

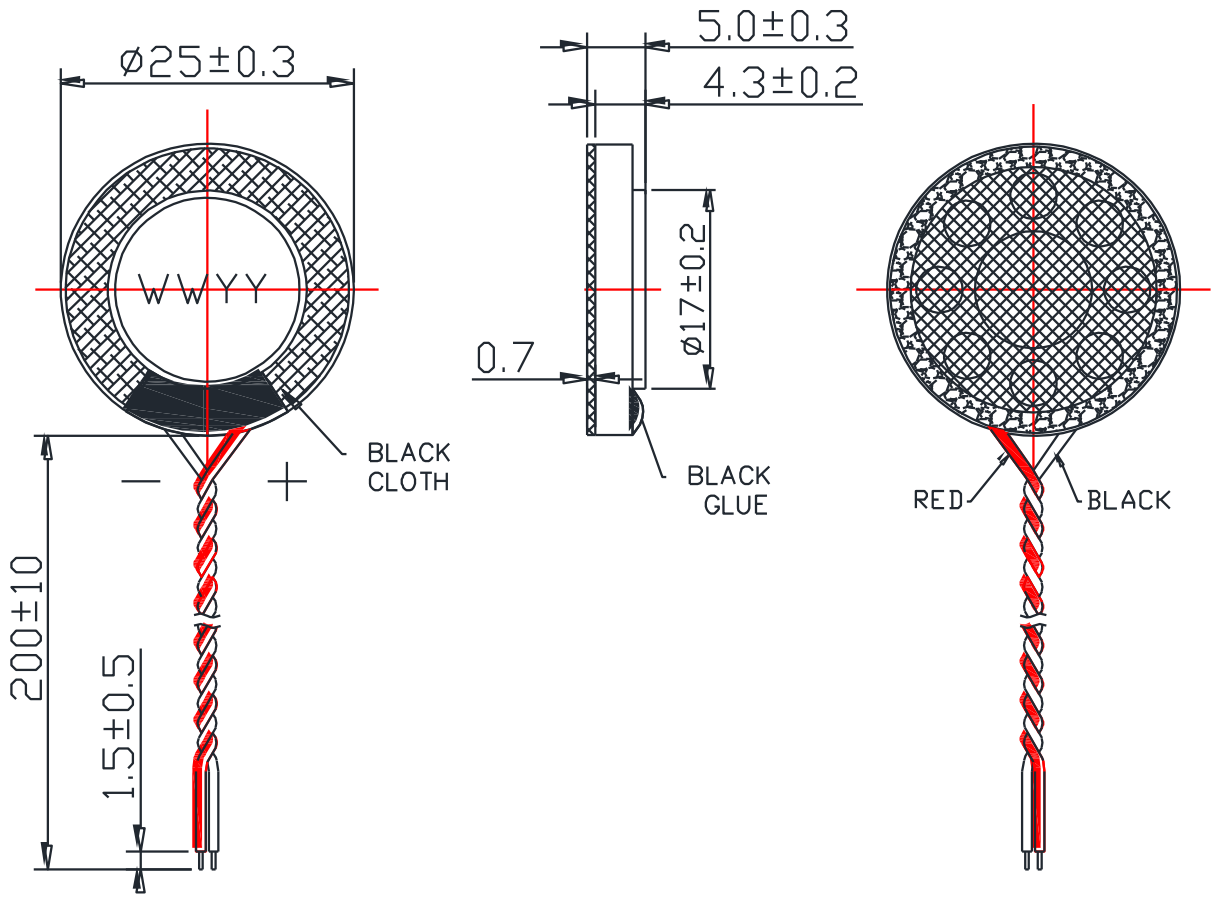
units: mm
tolerance: ±0.2 mm



MECHANICAL DRAWING (WIRE LEADS)

units: mm
tolerance: ±0.2 mm

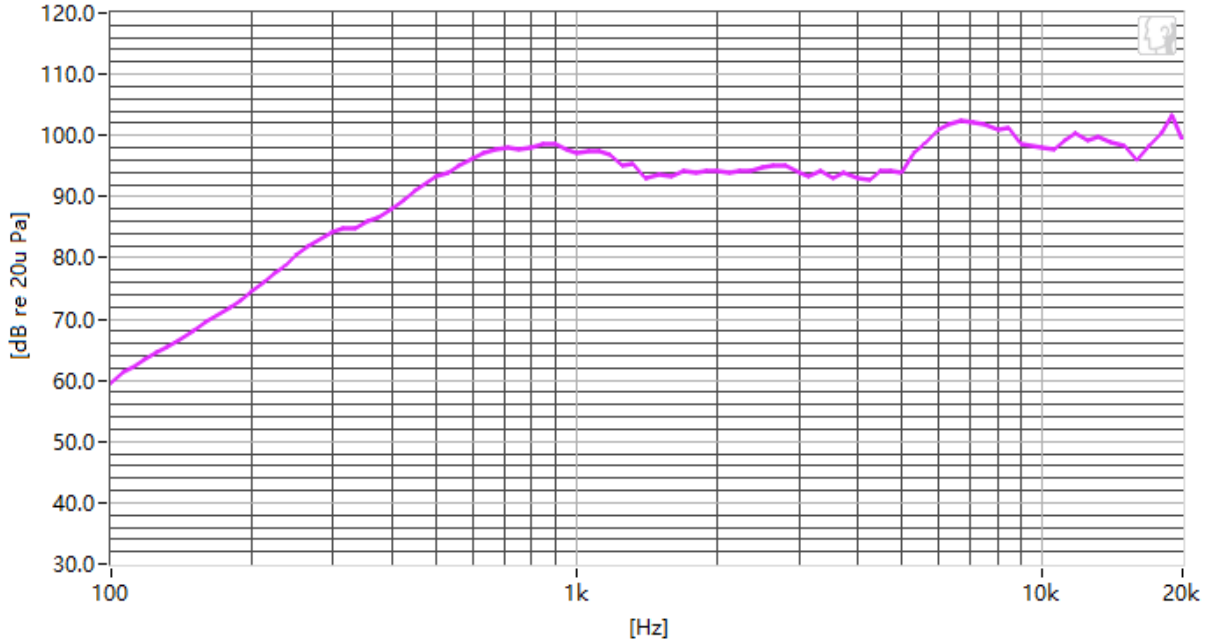
wire: UL1571 28 AWG



RESPONSE CURVES

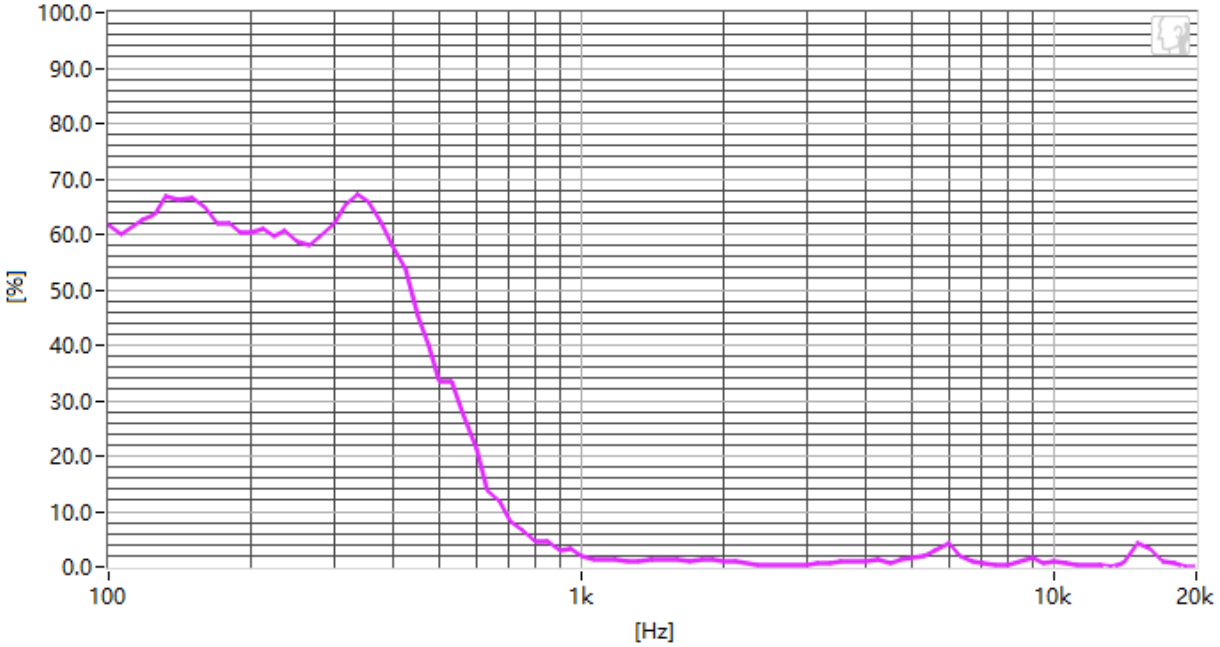
Frequency Response Curve

Test Conditions: 1.0 W / 10 cm



Total Harmonic Distortion Curve

Test Conditions: 1.0 W / 10 cm



THIELE-SMALL PARAMETERS

parameter	conditions/description	typ
Mechanical Q Factor	Qms	4.488
Electrical Q Factor	Qes	10.985
Total Q Factor	Qts	3.186
Compliance Equivalent Volume	Vas	0.0052

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

REVISION HISTORY

rev.	description	date
1.0	initial release	06/11/2026

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

same sky

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