

## CAC31-02W98-09-1X

Rev. 1-2026  
RoHS3 & REACH  
IPX5  
Chamber Assembly



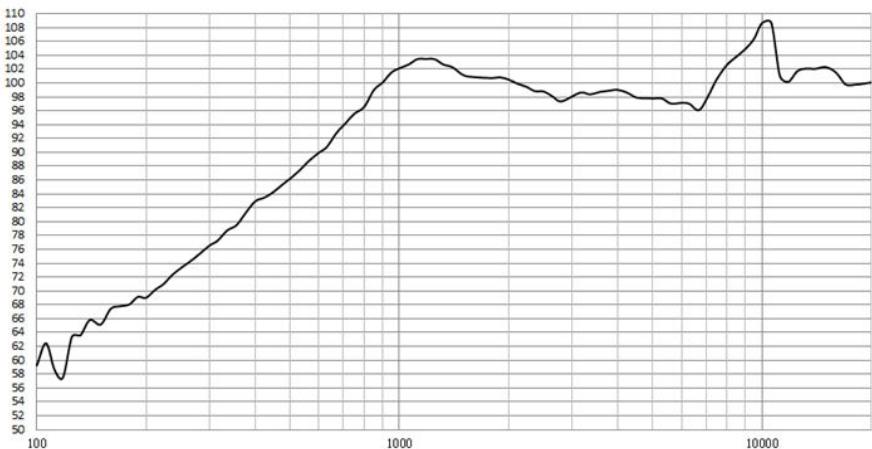
### Operating Characteristics

#### ELECTRICAL

Rated Power	2 W
Short Term Max Power	2.5 W
Impedance	$4 \Omega \pm 20\%$ 2,000 Hz; 2 W

#### ACOUSTIC

$f_o$	980 Hz $\pm 15\%$ 2W; 10cm
Freq. Range	833 to 20,000 Hz
Rated SPL	101 $\pm 3$ dB
Test Conditions	800, 1,000, 1,500, 2,000 Hz; 2 W; 10 cm
Distortion	<10 % 2,000 Hz; 2 W



### Physical Characteristics

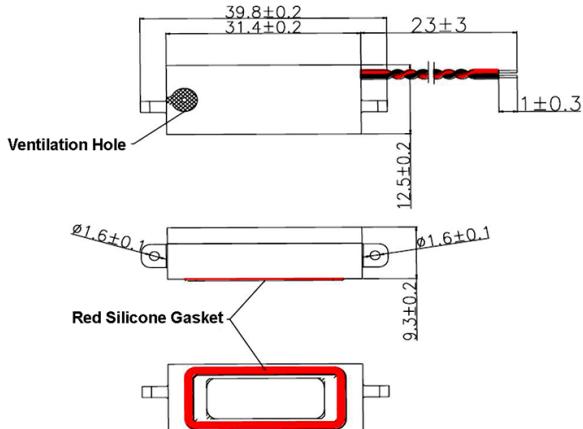
#### MATERIALS

Speaker Box Frame	PC110
Speaker Frame	PPA
Diaphragm	PEEK
Magnet	NdFeB
Wire	UL1571, 30AWG

#### TEMPERATURE RANGES

Operating	-20 to +60 °C
Storage	-40 to +80 °C

Weight	4.3 g
Speaker Part # CS23-02P100-03-4X	



General tolerance =  $\pm 0.3$  mm and all measurements in mm unless otherwise noted.

Revision	Description	By	Date
0-2025	Original Specification	KG	2025-02-18
1-2026	Updated wording on the mechanical drawing from "Ventilation Hole Location" to "Ventilation Hole" and "50 Degree Iron Red Silicone Pad" to "Red Silicone Gasket".	KG	2026-01-16

Warranty: For a period of one (1) year from date of shipping under normal operations conditions. This warranty does not apply to products damaged through misuse, abuse, improper installation, alteration, rework, or attempt to repair.

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