

# CAC52-01W50-07-1

 Rev. 1-2021  
 RoHS3 & REACH  
 Chamber Assembly

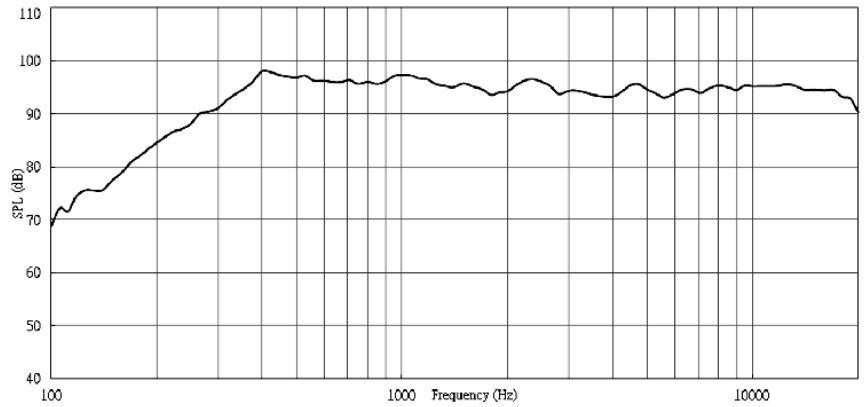

## Operating Characteristics

### ELECTRICAL

Rated Power	1.0 W
Short Term Max Power	1.2 W
Impedance	8 Ω ± 20 % 2000 Hz; 1.0 W

### ACOUSTIC

$f_o$	500 Hz ± 20 % 1.0 W
Freq. Range	500 to 20000 Hz
Rated SPL	96 ± 3 dB
Test Conditions	800, 1000, 1500, 2000 Hz; 1.0 W; 10 cm;
Distortion	Max 10 % 2000 Hz; 1.0 W



## Physical Characteristics

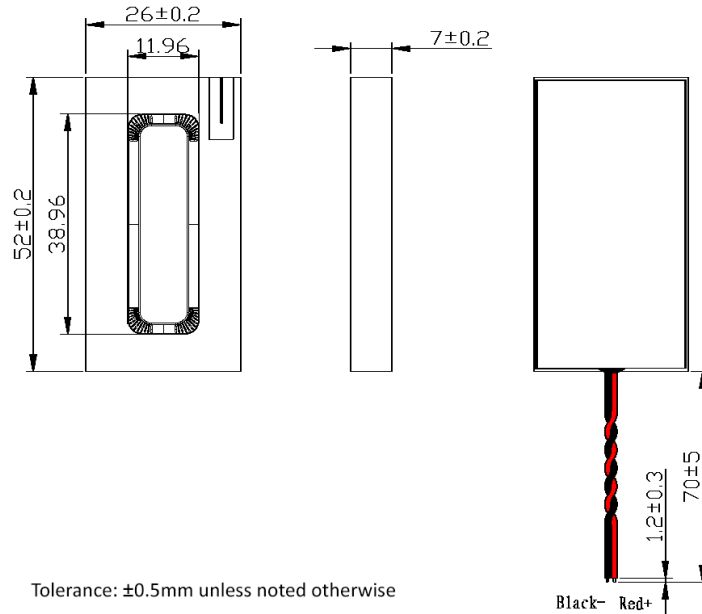
### MATERIALS

Chamber Housing	PC+ABS C6200 + Stainless Steel
Speaker Frame	PPA
Diaphragm	PEEK
Magnet	NdFeB
Wire	UL1571, 32 AWG

### TEMPERATURE RANGES

Operating	-20 to +70 °C
Storage	-40 to +85 °C

Weight	12.7 g
Number of Magnets	1
Speaker Part #	CS40-01P50-04-1



Tolerance: ±0.5mm unless noted otherwise

All Measurements are mm unless noted otherwise.

Revision	Description	By	Date
0-2020	Original Specification.	WS	2020-10-15
1-2021	Updated callout from Min SPL to Rated SPL.	CT	2021-03-08

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.

The information contained herein is believed to be correct, but no guarantee or warranty, express or implied, with respect to accuracy, completeness or results is extended and no liability is assumed. Challenge Electronics reserves the right to make changes in any specification, data or material contained herein.

©2021 Challenge Electronics, Inc. Pub. 20210308153720