

CS87-08D40-28-1

Former P/N: CES870S285KG08SMN400TGR

Rev. 3-2026
RoHS3 & REACH
Square Speakers

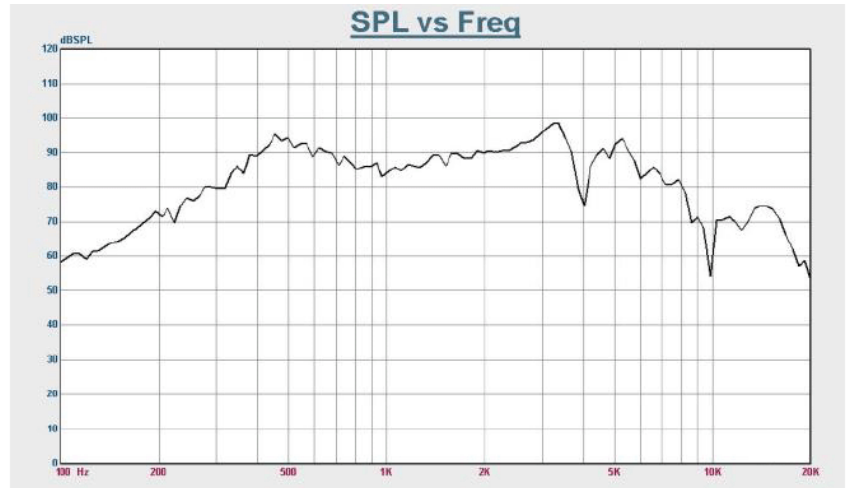

Operating Characteristics

ELECTRICAL

Rated Power	8 W
Short Term Max Power	16 W
Impedance	8 Ω $\pm$ 15 % 1000 Hz; 0.125 W

ACOUSTIC: Baffle Board

f_o	450 Hz $\pm$ 20 % 0.125 W
Freq. Range	360 to 8,000 Hz
Rated SPL	87 $\pm$ 3 dB 400, 600, 800, 1000, 1500 Hz; AVG; 1.0 W; 100 cm
Distortion	<5 % 1000 Hz; 0.125 W



Physical Characteristics

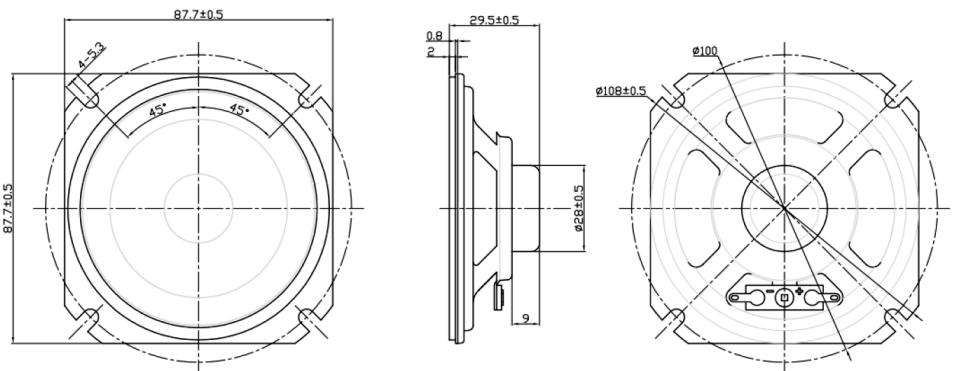
MATERIALS

Housing	Steel
Cone	Mylar
Magnet	NdFeB
Solder Tab	Tin Plated Iron

TEMPERATURE RANGES

Operating	-25 to +65 °C
Storage	-30 to +70 °C

Weight	87 g
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General tolerance = ± 0.3 mm and all measurements in mm unless otherwise noted.

Revision	Description	By	Date
2-2020	Updated PN from CS106-08D40-28-1 to CS87-08D40-28-1.	JL	2020-03-02
3-2026	Updated the Mechanical drawing and Frequency Response Curve. Updated the Resonant Frequency from 400Hz to 450Hz. Updated the Frequency Range from 400~6,000Hz to 360~8,000Hz. Updated the Distortion Power testing conditions from 1W to 0.125W. Updated the weight from 102g to 87g. Included the general tolerance.	KG	2026-07-15

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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