



TAOGLAS®



Datasheet

4 x 6 Inch Two Way Coaxial Speaker - 8 Ohm - Foam Gasket

Part No:
SPKA.46.8.B

Description:

4 x 6 Inch Two Way Coaxial Speaker - 8 Ohm 25W RMS

Foam Gasket on front of frame

Rugged design for installation in a wide range of vehicles

Features:

8 Ohm Impedance

Rated Input Power 25W RMS

Max Input Power 50W Peak

Sensitivity 88 dB 1W @ 1m

Dimensions 158 x 107 x 56 mm

Connector Delphi 12052832

RoHS & Reach Compliant

| | | |
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1. Introduction



Featuring a rugged design, in an industry standard form factor enabling ease of installation in a wide range of vehicles, with high levels of long term reliability and best in class performance Taoglas products are known for.

Our 4 x 6 Inch Two Way Coaxial Speaker offers full range frequency response and high sensitivity, with 8 Ohm impedance and power handling of 25W RMS and 50W peak. Proven performance in demanding environments including heavy duty trucks and industrial and agricultural equipment. Taoglas added speakers to our product portfolio to provide both high quality connectivity and high quality audio solutions from one trusted company.

SPKA.46.8.B has a foam gasket on front of frame, to minimize noise and vibration when mounted in a vehicle.

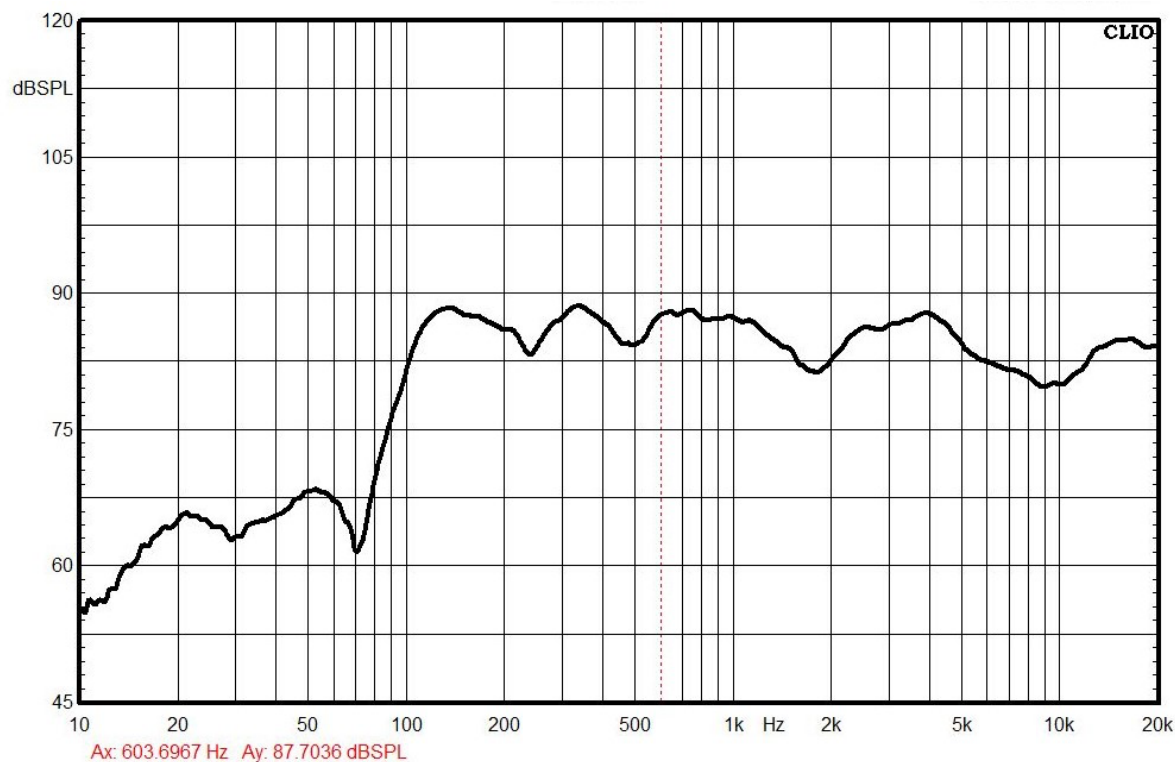
Please contact your regional Taoglas customer service team for more information and installation guidelines.

2. Specifications

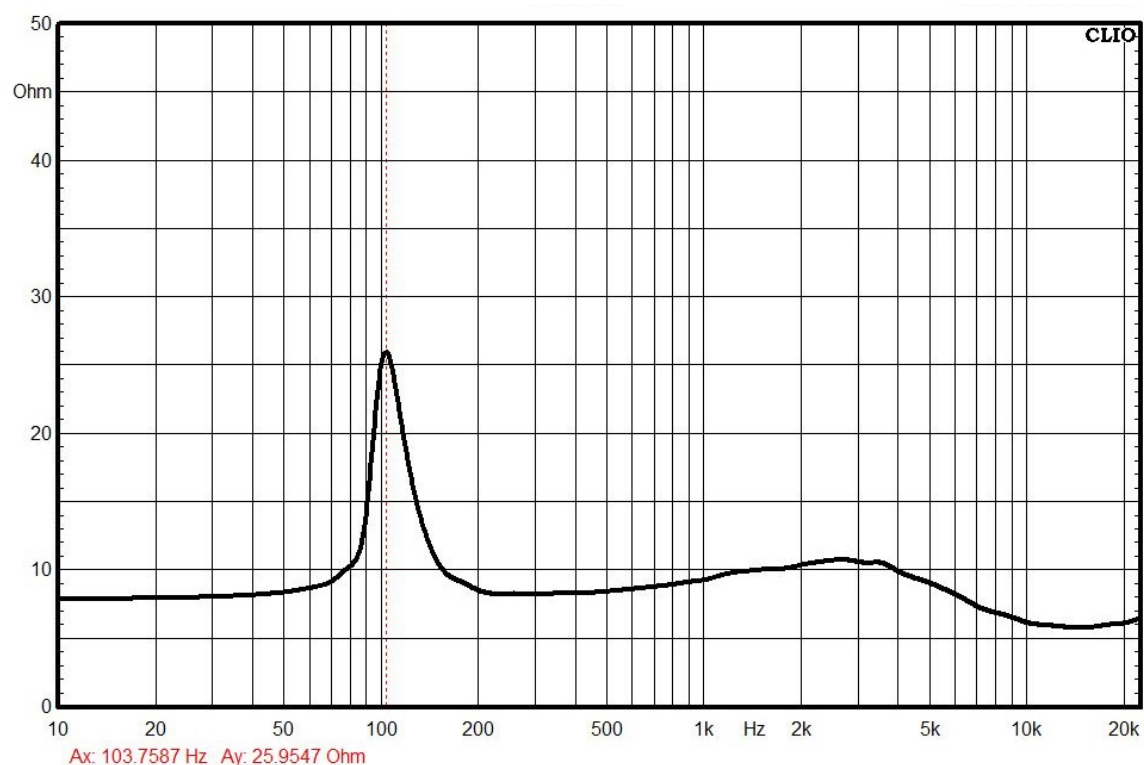
| Electrical / Acoustic | |
|-----------------------------------|---|
| Rated Impedance | 8 Ohms +/- 10% Ohms |
| Frequency Response | 100 Hz – 20,000 Hz +/- 6 dB |
| Sensitivity | 88 dB 1W @ 1m |
| Maximum SPL | 102 dB Continuous / 105 dB Peak @ 1m |
| Rated Input Power | 25 Watts RMS (AES Continuous) |
| Maximum Input Power | 50 Watts Peak (IEC Short Term) |
| Recommended Amplifier Power | 25 Watts FTC |
| Optimal Enclosure Volume (Sealed) | 34 Liters |
| Optimal Enclosure Volume (Ported) | 9 Liters |
| Resonant Frequency | 107 Hz +/- 10 % Hz at Rated Input Power |
| Distortion | 3.5 % @ 1 kHz at Rated Input Power |
| Mechanical | |
| Dimensions | 158 x 107 x 56 mm |
| Weight | 0.5 kg |
| Connector | Delphi 12052832 |
| Environmental | |
| Temperature Range | -40°C to 85°C |
| Humidity | Non-condensing 65°C 95% Relative Humidity |

3. Frequency Reponse and Impedance Plots

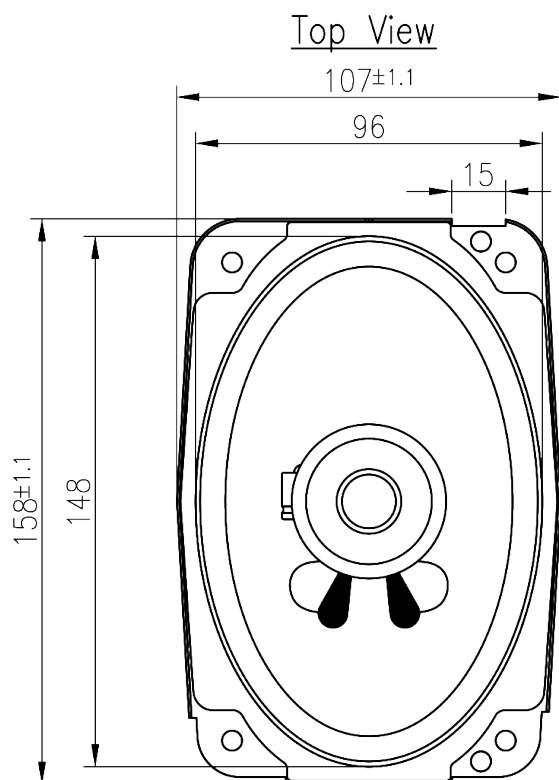
3.1 Frequency Response



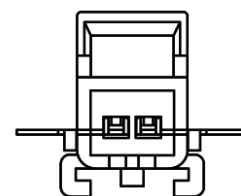
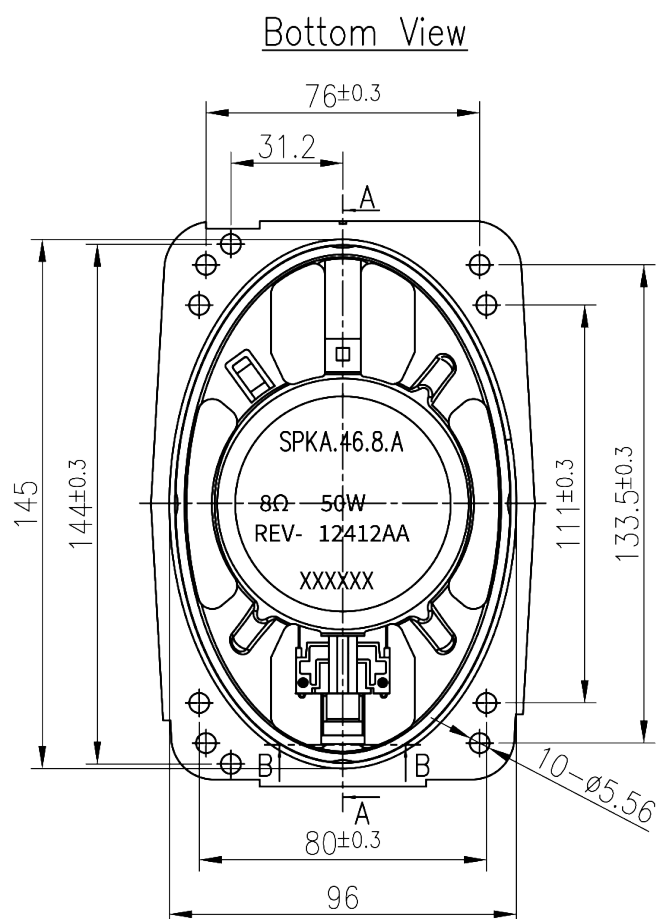
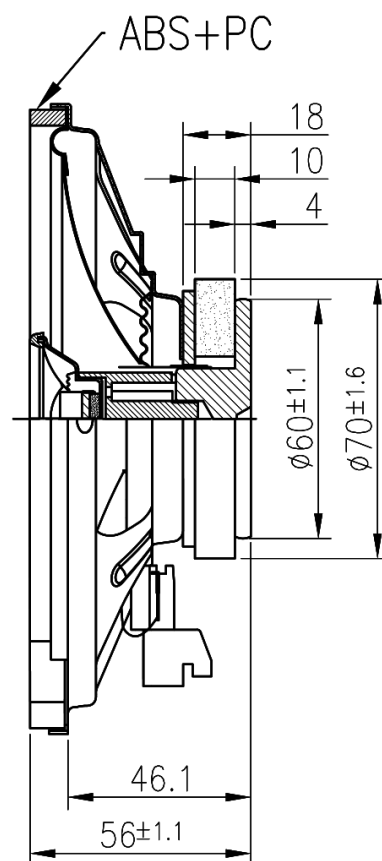
3.2 Impedance



4. Mechanical Drawing (Units: mm)



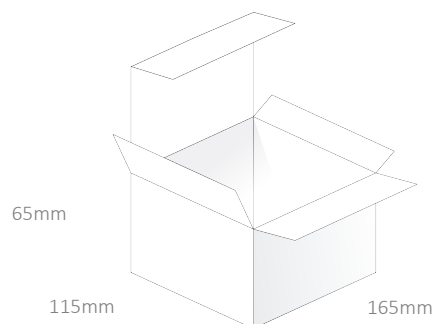
Sectional A-A
Side View



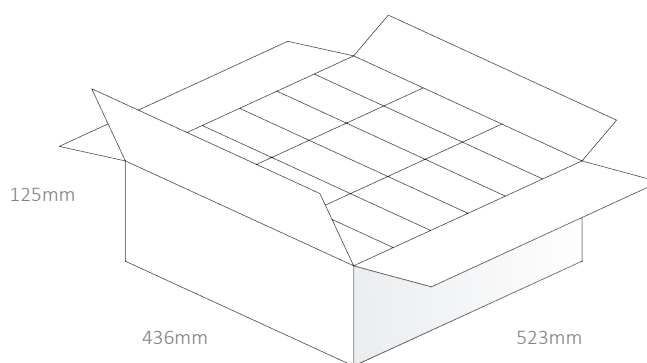
Sectional B-B
Scale: 1:2

5. Packaging

1pcs SPKA.46.8.B per Box
Dimensions – 165x115x65mm
Weight – 0.6Kg



18pcs SPKA.46.8.B per carton
Dimensions – 523x436x125mm
Weight – 12.5Kg



Changelog for the datasheet

SPE-19-8-042 – SPKA.46.8.B

Revision: D (Current Version)

| | |
|------------------|--|
| Date: | 2022-12-16 |
| Changes: | Updated Specifications, Frequency Response Plot, and Impedance Plot, based on third party testing. |
| Changes Made by: | Mark Brown |

Previous Revisions

Revision: C (Third Release)

| | |
|------------------|---|
| Date: | 2022-7-19 |
| Changes: | Updated Specifications and overall formatting |
| Changes Made by: | Mark Brown |

Revision: B (Second Release)

| | |
|------------------|----------------------------|
| Date: | 2019-05-02 |
| Changes: | Updated Mechanical Drawing |
| Changes Made by: | Gary West |

Revision: A (First Release)

| | |
|------------------|-------------|
| Date: | 2019-05-02 |
| Changes: | |
| Changes Made by: | Jack Conroy |



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