



The ASW-283 is a lightweight, high power, bass reflex subwoofer module designed for placement in most luxury seat bases, divans, bulkheads, sidewalls, or cabinets. The high excursion 4" driver is precisely matched to the acoustically tuned enclosure resulting in high output and lower frequency bass roll off. The motor structure of the driver is designed to be lightweight and have low magnetic leakage compared to conventional designs. This subwoofer is an integral part of the Alto Aviation Entertainment System (AES), a complete audio system in which the amplifiers and speakers are customized and matched to the acoustics of the aircraft to provide the finest audio available.

## FEATURES

- Weighs < 3.5 lbs
- 3" deep
- Bass reflex design allows for lower frequency bass roll off
- Shape can be customized to customer requirements
- TSO-C139
- Integrated grills protect speakers during installation
- Aluminum enclosure with welded seams
- High efficiency driver with low magnetic leakage precisely matched to the enclosure
- Integral part of the Alto Aviation Entertainment System (AES)

## SPECIFICATIONS

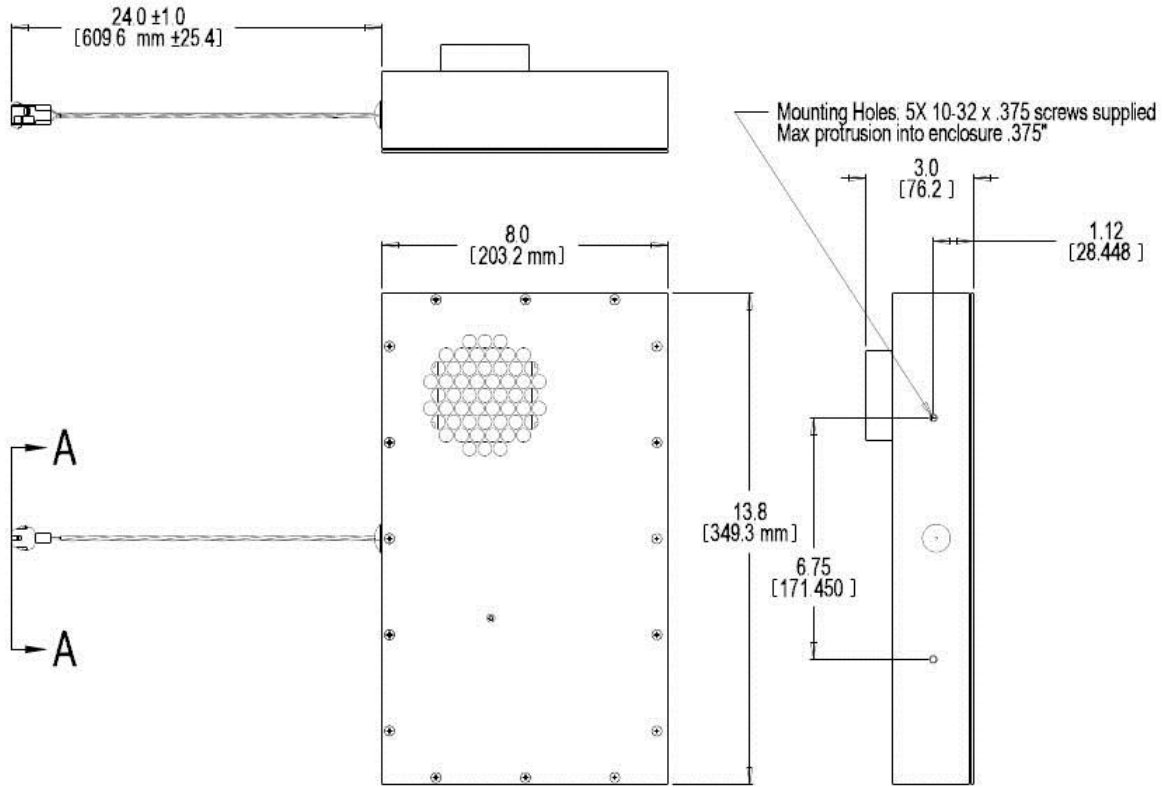
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|---------------------------|--|
| • Product Code            | 106511-283-4FXXXX (4 Ohm)(Connector type F)  |
| • Frequency Response      | 40Hz - 200Hz   |
| • Impedance               | 4 Ohm nominal  |
| • Drivers                 | 4" high excursion, low magnetic leakage, high force design   |
| • Enclosure               | Bass reflex matched precisely to the drivers<br>Aluminum with welded seams<br>Integral grill for driver protection during installation |
| • Continuous Power Rating | 25 Watt RMS  |
| • Max. Power Rating       | 50 Watt RMS  |
| • Sensitivity             | 88 dB SPL @ 1W/1m  |
| • DO-160F Env. Cat        | [A2X]CAB[(SC)(HR)]XXXXXXXXXXXXXXXX[XXXXX]XXXX  |
| • Mating Connector        | AMP 2 pin MATE-N-LOK - Socket (Connector type F)   |
| • Weight                  | <3.5 lbs (1.6 kg)  |
| • Dimensions              | 8"W X 13.8"H X 3"D<br>203.2mm W X 349.3mm H X 76.2mm D   |

# Aircraft Cabin Subwoofer

## ASW-283



### DIMENSIONS



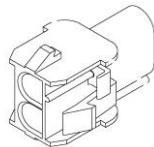
Note: Dimensions are for reference only. See DA (Delivered Assembly) drawing for exact dimensions.

If the dimension, weight, and connector specifications of this product do not meet your requirements, Alto can custom design a product for your application.

### CONNECTOR PINOUTS

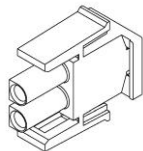
Connector for p/n's 106511-283-XFXXXX, where "F" designates specific connector. Please contact Alto for additional connector options

AMP 2 pin MATE-N-LOK – Socket



AMP connector PN 350778-1  
Pins PN 350690-7

Pin 2-  
Pin 1+



Mating Connector: AMP 350777-1  
Mating Pin: AMP 350551-7