

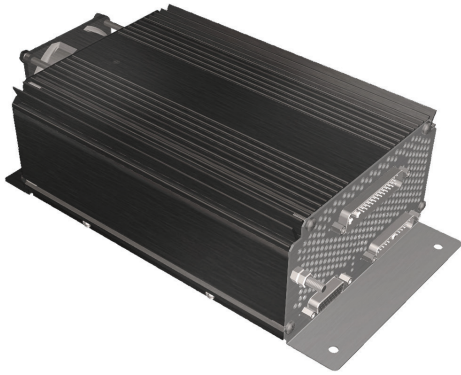
# ALTO

## AVIATION

Premium Cabin Audio/Entertainment Solutions  
for all aircraft in Business Aviation™

### DA-330DC

#### Aircraft Cabin Digital Entertainment DC Amplifier



The ALTO DA-330DC is a TSO-C139 certified 8 X 40W / channel, Class D audio amplifier with integrated Digital Signal Processing (DSP). Designed to be used with most cabin management systems and paired with ALTO speakers and subwoofers, the amplifier will deliver a full spectrum of sound with unprecedented dynamics and clarity. DSP Equalization provides optimized sound for each specific aircraft interior. Each channel contains a distortion limiter circuit which allows for full power operation without harsh distortion. The low weight allows for convenient mounting and flexible system configuration. Optional ALTO nVELOP™ Digital Surround Sound is available to further enhance the cabin listening experience.

### FEATURES

- Unit certified to TSO-C139
- 8 channels, 40 Watts RMS per channel Class D for very high efficiency with low heat output
- Integral EQ customized for each aircraft interior
- Advanced DSP including dynamic bass management, signal compression, spatial enhancement, Sinewatch™ distortion elimination
- Supports 2 independent audio zones
- 12 input channels that support 2 zones of surround sound
- Operates on +28VDC power supply
- Weighs under 3.5 Lbs.
- Small enclosure with forced air cooling for flexible mounting

### SPECIFICATIONS

<b>Product Code</b>	106500-0330
<b>Frequency Response</b>	20Hz - 20KHz custom contoured to specific aircraft cabin
<b>Power Supply</b>	+28VDC
<b>Operating Current</b>	Entertainment: 1 A idle, 3 A nominal, 15 A maximum
<b>Audio Input</b>	Entertainment: 12 channels of differential Analog
<b>Output Power</b>	40 Watts RMS/channel (320W) total
<b>Output Load</b>	4 - 8 Ohm recommended, 3 ohm minimum, Average impedance of all 8 channels must be >3.5 ohms
<b>Distortion</b>	<0.1% THD @ 50% rated power, maximum 3% (distortion limiter active)
<b>Equalizers</b>	Custom designed EQ/crossovers matched to aircraft cabin utilizing loudspeakers from the ALTO Aviation Entertainment System (AES) catalog
<b>Dimensions</b>	5.4"W x 3.0"H x 10.1"D (138mmW x 76mmH x 257mmD)
<b>Weight</b>	<3.4 lbs / 1.54 kg
<b>DO-160F Env. Cat.</b>	[A2X]CAB[(SC)(HR)]EXXXXX[Z(RX)]AZ[AC][TT]M[XXE3X][XXXX]XAX

DA-330DC Digital Amplifier

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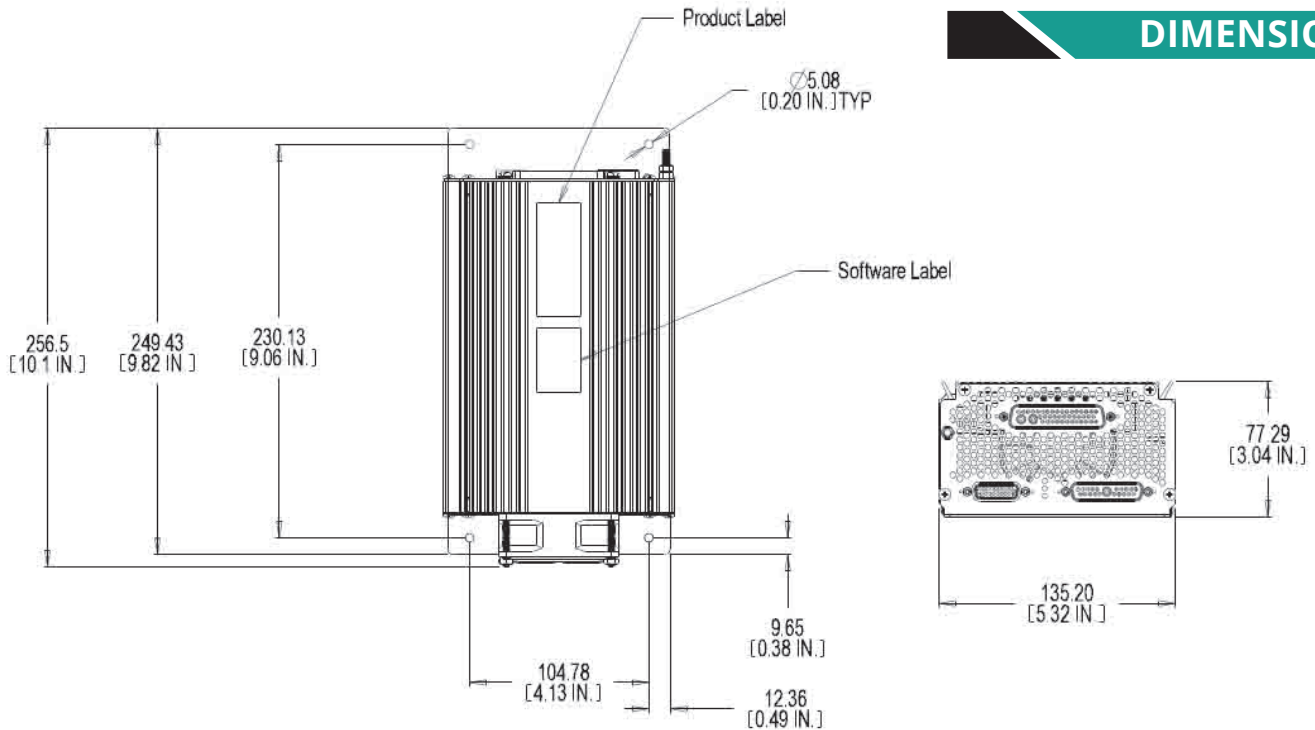
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### DIMENSIONS



### CONNECTOR PINOUTS

#### J1 MAIN Connector

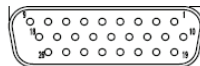
43W2 Combo D Male  
Mating connector



Positronic # CBD43W2M55B100V5X  
Positronic # CBC43W2S110ANVL0/AA

#### J2 AUX Connector

26 pin D-sub Female  
Mating connector



Positronic # ODD26F4B100V5X  
Positronic # DD26M10ANVL0/AA

#### J7 Input / Interface Connector

21 pin Male Combo D-Sub  
Mating connector



Positronic # CBD21W1M85B100V5X  
Positronic # CBC21W1S140JVLX

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