



DataMetrics™

MODEL 8006

CONDUCTION COOLED

1/2 SHORT ATR CHASSIS



Key Features

- Designed to Meet MIL-STD-810F for Shock
- Designed to Meet MIL-STD-461E for EMI/EMC
- Conduction-Cooled Design
- 4 Slot VME64x or cPCI Backplane Standard
- Multiple Customizable I/O Connections
- Customer Defined Configurations
- Airborne – Ground Mobile

Model 8006 1/2 Short ATR Chassis

The Model 8006 is a Conduction Cooled Half-Short ATR Chassis with a 4-slot VME 64x or cPCI backplane standard. The conduction cooling method provides superior performance and protection from the elements with a completely sealed design. Status LED indicators allow users to verify proper voltages are being upheld and operating conditions are within a functional range.

Like all DataMetrics™ rugged chassis, the Model 8006 is designed to meet and exceed multiple military specifications, and is custom configurable with various backplane, power supply, internal and external connectors and cables, to meet any customers needs.

In addition to the Model 8006, fully sealed, conduction cooled ATR's are also available in all 13 "standard" sizes. Please contact DataMetrics™ to determine your exact configuration.



Fully Mission Capable™

Environmental Characteristics

Temperature - Operating	-20°C to 71°C
Temperature - Storage.	-40°C to 85°C
Humidity.	10% to 95%, Non-condensing
Explosive Atmosphere.	MIL-STD-810E, Method 511.3
Fungus.	MIL-STD-810E, Method 508.4
Orientation.	±45° from horizontal, any axis
Vibration	0.015g ² /Hz @ 10-40 Hz
Shock.20g, MIL-STD-810F
Altitude - Operating27,000 ft.
Altitude - Non-operating.60,000 ft.
EMI/EMC	MIL-STD-461E, CE102, CS101, CS114, CS116, RE101, RE102, RS101, RS103
ESD	MIL-STD-1686A
Sealed	NEMA 4 / IP65

Performance Characteristics

Backplane - Standard	4 Slot VME 64X or cPCI (Others Available)
I/O Panels	Front panel I/O Connections Status LED Indicators
Cooling	Conduction cooling

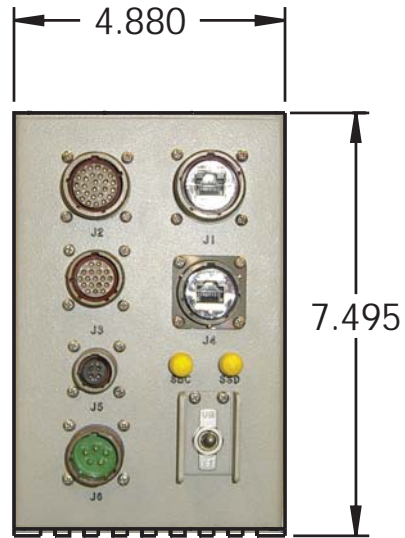
Electrical Characteristics

Power Input – Standard28 Vdc or 115 Vac 47-440Hz
DC Outputs	+5 Vdc +3.3 Vdc ±12 Vdc
Power Consumption250W Max

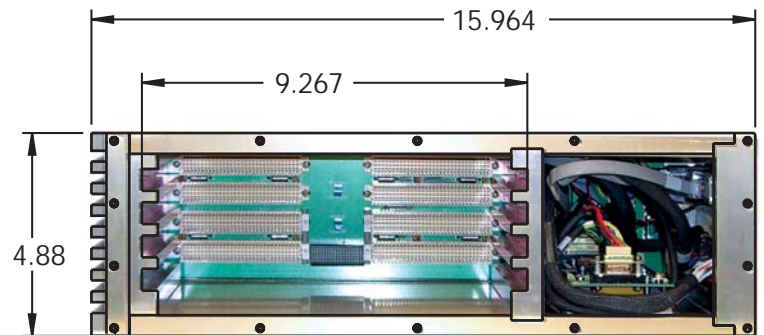
Physical Characteristics

Size7.495" H x 4.88" W x 15.964" D
ARINC StandardHalf Short ATR
Weight21 lb. Aluminum Chassis

Front View



Top View - Internal



Ordering Information

Part Number	Description
8006-0420-1XX-P005	ATR, Conduction Cooling, Half Short, 4 Slot, VME64x, Gray Paint/Smooth Texture
8006-0420-1XX-C000	ATR, Conduction Cooling, Half Short, 4 Slot, VME64x, Clear Chemical Finish
8006-0440-1XX-P005	ATR, Conduction Cooling, Half Short, 4 Slot, cPCI, Gray Paint/Smooth Texture
8006-0440-1XX-C000	ATR, Conduction Cooling, Half Short, 4 Slot, cPCI, Clear Chemical Finish
Standard Configuration 8006-0420-100-P005 "X" indicates ordering options. Consult DataMetrics for other options and custom configurations.	