AP Labs

FS-7275 ATR 7 slot, 6U VME Chassis

The AP Labs FS-7275 is a convection cooled ATR enclosure which contains a 7 slot 6U VME cardcage

AP Labs designed the FS-7275 ATR enclosure to meet ARINC 404 guidelines for a Number 1 long ATR device, and MIL-STD-461C, and FCC Class B EMI Specifications. An optional ARINC-style shock tray provides shock and vibration isolation.

This enclosure is a side loading 7 slot, and contains a 6U VME cardcage. The enclosure can optionally be provided with a disk bay which will accomodate two 3.5” internal peripherals.

Standard configuration provides a 272 Watt AC power supply. A DC power supply may be specified as an option.

The FS-7275 is a member of the AP Labs *FULLspectrum*™ line of enclosures and workstations, spanning commercial through MIL-SPEC requirements.

COTS/NDI

6U VME cardcage with monolithic backplane (7 slots or less)

Designed to meet Shock and Vibration requirements for: MIL-STD-810E, and RTCA/D0-160C

272 Watt AC power supply standard. Other values can be specified

Convection cooling system

Mounted in optional ARINC style shock tray

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Specifications

Mechcanical

- .090” Seam Welded Aluminum Alloy
- Chem filmed per MIL-C-5541, Class 3
- All fastener hardware is stainless steel
- Side loading cardcage
- ARINC style shock tray

Physical Dimensions

- Height: 7.6”
- Width: 10.6”
- Depth: 19.6”
- Weight: 20 lbs. (typical)
- Paint and silk screening to customer spec

Front Panel

- SYSRESET, SYSFAIL indicators
- +5, +12, -12 Volt LED indicators
- Power Switch
- Toggle switch for System Reset

Shock and Vibration (with shock tray)

- MIL-STD-810E
- RTCA D0-160C

Electrical

- AC input: 120 VAC, 47-440 Hz (single phase only)
- AC draw: 5 AMP maximum
- Mil circular AC power connector
- Single 272 Watt AC/DC power supply
- +5, +12, -12V outputs on DC supply
- MIL-STD-461C

VMEbus Backplane

- 7 slot (standard) backplane
- 6U X 160 mm
- Monolithic J1/J2

Ordering Information

- FS-7275: 7-slot ATR Enclosure

Standard Options

- ST: ARINC shock tray

Custom Options

- Paint and silk screening to customer spec
- Rear panel connectorization
- Internal I/O cabling and connectors
- Power supply rating
- DC/DC power supply
- Internal shock and vibration isolation
- Optional disk bay
- Full systems integration

2/97