Dawn VME Products®

1U Enclosure: Model RME-6113

1U Powered Enclosure

Featuring a 2-slot *CompactPCI™* 2.1R3 or VME64x Backplane

Features

♦ 1U x 11.75" depth

♦ 1101.10 front and rear extrusions are standard

♦ 2-slot 80mm transition module card cage meets 1101.10 and 1101.11 requirements

♦ Internal 200W power supply

♦ "Push-Pull" cooling system comprised of six (6) high-CFM fans provide maximum air flow through the enclosure

♦ Front panel or mid-chassis IEC rack flanges

♦ Choice of 2-slot VME64x backplane or 2-slot *CompactPCI™* PICMG 2.1R3 backplane.

♦ Attractive black matte finish

♦ Shipped fully wired and tested

Note: Front/Rear filler panels shown available as an option.

Overview

Dawn's new 1U "blade" enclosure - **Model 6100** - is perfect for applications where space is premium. Aggressive push-pull cooling system ensures board operation within prescribed temperature limits. And, its low cost fits virtually all budgets.

Its "Blade" footprint - 1.747" H x 16" - and choice of front or mid-chassis rack mounting makes it ideal for any telecommunication application. **Model 6100** features a choice of a 2-slot CompactPCI 2.1R3 backplane or an ANSI/VITA VME64x 2-slot backplane, the latter featuring onboard BG/IACK jumpering. An internal 200W power supply features a 90~264VAC autoselect input.

Model 6113 meets IFCC Level B and EN 55022 Level B (conducted) EMI/RFI emissions.

For higher quantity requirements, customized paint color and/or silk-screening may be ordered. Contact Dawn VME Products for more information.

Technical Specifications

Backplane

Compatibility: ANSI/VITA 1-1997 VME Extensions standards; PICMG 2.1 standards.

Termination (VME64x option): Onboard, 330-ohm to +5V; 470-ohm to GND (194-ohm ± 5% Thevenin equivalent) at each end of backplane.

Mechanical

Material: Pre-plated cold-rolled steel, 18 gauge (0.032" approx.), with black powder coat paint and matte finish

Dimensions: 1U (1.747") H x 11.75" D x 19" W (17" internal chassis)

Weight: Under 15 lb. fully configured

MTBF: Configured with 2-slot VME64x backplane, 200W internal power supply and six (6) DC fans: >50,000 hr operating at +40°C

Electrical and Environmental

Maximum Power Draw Per Slot: Approximately 40W per slot

Power Supply Input: 90~264VAC, 47~67Hz, autoselect

Power Supply Output: +3.3VDC@14A; +5VDC@20A; +12VDC@6A; -12VDC@0.8A

Notes: 1. Total loading on all outputs ≤200W
2. Combined load on +3.3V and +5V ≤120W

Storage Temperature: -20ºC to +85ºC @ <95% non-condensing

Operating Temperature: 0ºC to +50ºC @ <95% non-condensing

Cooling: Six (6) 40mmx24mm, 12VDC fans with combined 90+CFM @ 0 SPL

Rear View

Ordering Information

2-slot VME64x model: 11-1016102
2-slot CPCI 2.1 model: 11-1016103