MODEL 3013

ASCOR Model 3013
VXI Mainframe

ASCOR's Model 3013 VXI Mainframe – with its thirteen slots – provides a fully shielded, fully integrated power, cooling, backplane, and "C-size" chassis system for high reliability, low noise VXI applications.

- ***Houses ASCOR or Other Manufacturers' VXI Modules***
- ***Choice of ITA Receiver Mechanisms***
- ***Ultra-Quiet Power Supply***
- ***High Integrity Backplane***
- ***Very High Capacity Cooling System***
- ***Ultra Low Audible Noise Level***

When Reliability Counts

As a high performance housing for its complete family of VXI Switching Modules, ASCOR has designed a rugged yet light-weight 13-slot VXI mainframe – once again setting the standard for high reliability, low noise testing.

The Model 3013 combines an ultra-quiet 1200 or 1500 watt switching power supply, a state-of-the-art backplane, and a highly efficient six-fan cooling system with a fully-shielded chassis – to reliably house your VXI test environment and ensure the integrity of your measurements.

Intelligent Design

The Model 3013 is designed for strength and durability, yet it weighs only 48 lbs. The compact aluminum chassis is fully shielded for high EMI protection.

Convenience features include a cable tray, a 3" recessed area between its front panel and test module interface connections, and a hinged drop-down rear panel for easy power supply access.

The 3013 supports your choice of standard ITA receiver mechanisms, including Mac Panel, Virginia Panel and ASCOR's own design.

Multi-Layer Backplane

The Model 3013 incorporates the industry's highest signal integrity backplane. Its 12 layers ensure signal separation, while contributing to the Model 3013's excellent EMI suppression.

Unique Cooling System

To further enhance reliability, ASCOR has designed a 6-fan, highly directed cooling system for the Model 3013. This unique cooling system ensures the industry's highest heat dissipation per slot, regardless of module configuration or use of doors and covers.

ASCOR INCORPORATED
A Giga-tronics Company

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ASCOR's Model 3013 houses up to 13 "C-size" VXI modules with easy rear access.

Features Include:
- Power supply indicators
- Visual and audio over heat indicators
- VXIbus installed slot indicators
- Front panel on/off and reset

Quiet Ideas. Powerful Solutions. ASCOR, founded in 1987 and headquartered in California's Silicon Valley, provides a complete line of VXI Switching and Digital Modules for industrial, medical, scientific and governmental automatic test applications. ASCOR VXI products are the quietest, cleanest, highest density VXI modules commercially available.

Quiet Power

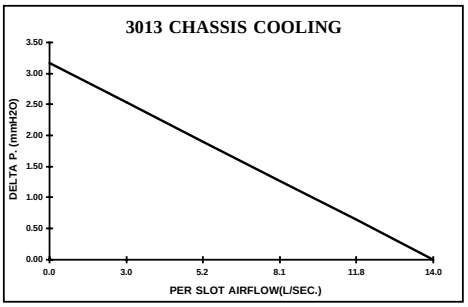
The Model 3013 also incorporates the industry's most reliable, high performance switching power supply – either 1200 or 1500 watts. These self-cooling power supplies feature autoranging, and built-in temperature and overload protections.

Easy Manageability

For further manageability and reliability, the Model 3013 supports local and remote monitoring of its backplane and power diagnostics, as well as supporting soft start-ups and shutdowns.

Optional Features

- 10 MHz TCXO clock accurate to >10^{-6}, dual channel output.
- Customizable rear panels.



CE The CE Mark indicates that the product has completed and passed rigorous testing in the area of RF Emissions, Immunity to Electromagnetic Disturbances and complies with European electrical safety standards.

Specifications

Dimensions:
- 15.75" H
- 26" D
- 19" W

Weight:
- 48 lbs

Power Supply Outputs:
- 1200 watt - standard
  +5 VDC at 80 Amps
  +12 VDC at 16.7 Amps
  -12 VDC at 16.7 Amps
  +24 VDC at 8.3 Amps
  -24VDC at 8.3 Amps
  -5.2 VDC at 28.8 Amps
  -2 VDC at 20 Amps
- 1500 watt - optional
- Autoranging – 90 to 132 VAC/180 to 264 VAC at 47 to 440 Hz

Backplane:
- 12 layers
- Timing/impedance-matched 50 ohm signal lines
- Auto configuring

Capacity:
- 13 "C-size" Slots

MIL-T-28800 Type III
Class 5, Style F
Optional Type II

Temperature Range:
- Operating – 0°C to 60°C
- Storage – 40°C to 70°C

Acoustics:
- 50dBA @ full air flow

Ordering Information:

ASCOR INCORPORATED
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