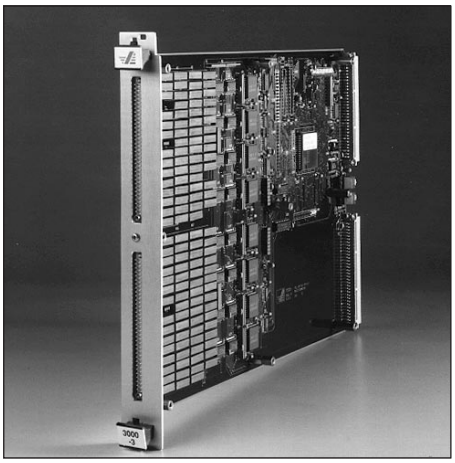
MODEL 3000-3

ASCOR Model 3000-3
VXI Switch Tree



ASCOR's Model 3000-3 single-slot, plug-and-play VXI Switching Module is a configurable, high-density, virtually noise-free Switch Tree – ideal for DMM applications, general scanning, or wherever a large number of channels with high signal isolation are required.

Channels are individually controlled for maximum versatility, and all relays are individually shielded and grounded for absolute minimal crosstalk and signal interference.

- ***Configurable:***
  - ***30x1 Four Wire***
  - ***60x1 Two Wire***
  - ***120x1 Tree***
- ***Double Density Option (Model 3000-8):***
  - ***60x1 Four Wire***
  - ***120x1 Two Wire***
  - ***240x1 Tree***
- ***Quad Density Option (Model 3000-9 Two Slots Required):***
  - ***120x1 Four Wire***
  - ***240x1 Two Wire***
  - ***480x1 Tree***

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Versatile Switch Tree Environment – Designed For Silence

ASCOR has designed a comprehensive family of pre-customized, no-noise VXI Switching Modules – each expertly tailored to its specific function, in order to minimize customer integration chores.

The Model 3000-3 provides a versatile, off-the-shelf Switch Tree environment that can be simply plugged-in and easily configured to meet particular, and evolving, switching needs.

The Model 3000-3 is designed for use with Digital Multimeters, or to function as a general purpose scanner – and is the ideal switching element in any measurement application where clean, transparent switching is a must.

Ensures Low Level Signal Performance

The Model 3000-3 is designed for non- interference with even the most exacting measurements.

Each relay is individually tied to an isolated ground plane to ensure low level signal performance. Plus, each relay is individually coaxial-shielded to provide a sheltered path for the signal.

The result is minimal crosstalk between channels, even in high density configurations, and the achievement of maximum bandwidth.

Maximum Flexibility

The high-density Model 3000-3 can be software configured, without hardwiring, as a 30x1 four wire switch tree or as a 60x1 two wire tree. Each channel is individually controlled to provide maximum versatility – for example, more than one relay in each given tree can be closed at the same time.

The outputs can also be combined to make a single shielded 120x1 tree.

Thus, in a single-slot module, customers gain an abundance of off-the-shelf, switching options.

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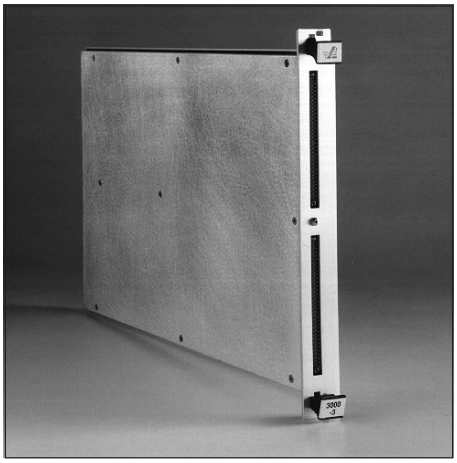


*ASCOR's Model 3000-3 Switch Tree is a highdensity, single-slot VXI module, configurable to provide a range of **virtually noise-free** (see chart at right) switching solutions.*

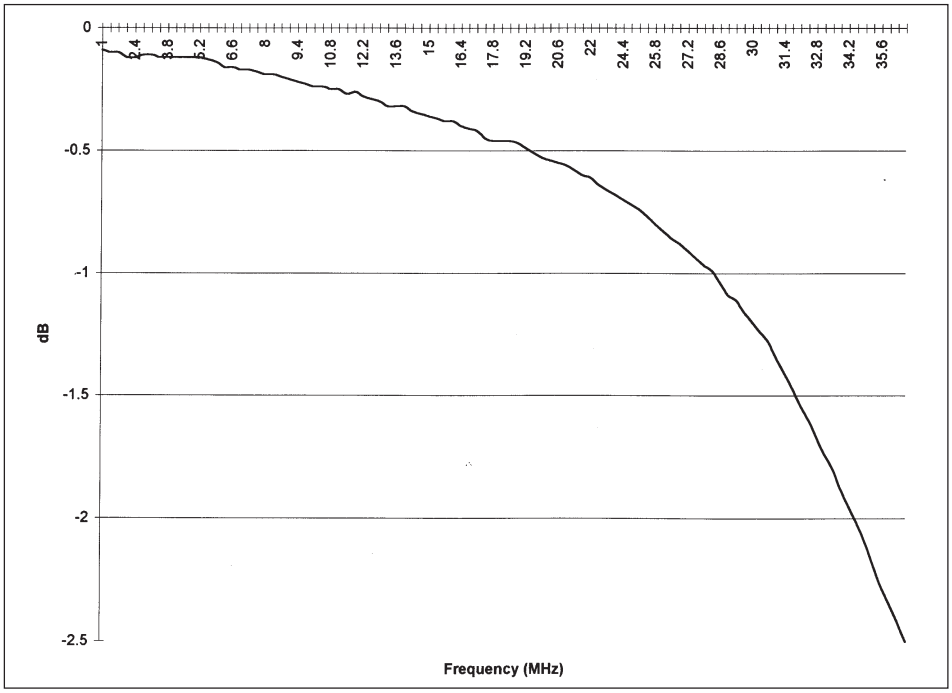
Self Testing

Like all ASCOR VXI Modules, the Model 3000-3 incorporates internal self test hardware which includes the ability to test, read back and verify the integrity of the program control circuitry, including the relay coils within the Module.

All ASCOR VXI Modules also feature a unique built-in service record, for tracking repairs to the Module by time and date the repair was actually performed.

ASCOR also provides a 3 year limited warranty on all VXI Modules.

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.



Higher Single-Slot Densities

The Model 3000-3 is also available in higher density configurations. A double density model provides either 60x1 four wire or 120x1 two wire switching solutions. A quad density model requiring two slots goes up to 120x1 four wire or 240x1 two wire configurations. Even higher densities are available on request.

Protecting Your Investment With VXIMAX™ 16/32

To address tomorrow's applications, requiring even greater capabilities, ASCOR's 3000-3 supports either 16-bit or 32-bit data bus paths through its VXIMAX 16/32 VXIbus interface.

3000-3 customers can upgrade to 32-bit from 16-bit with VXIMAX's field upgradability.

Specifications

- VXI Power:
  + 5 Volts @ 2.06 Amps (max.)

DC Parameters

- Closed Path Res: 750 Milliohms
- Current: 1 A Max
- DC Isolation: 10 Meg ohms
- Voltage: 250 VDC Max
- Switching Time: 5 mSec
- Power: 5 Watts Max

AC Parameters

- Bandwidth (50 Ohms): 35 MHz
- Thermal EMF: 60uV
- Crosstalk: -50dB at 10 MHz
- AC Voltage: 250 VAC MAX
- Register-based

Environmental Specifications

- Temperature:
  - Operating: 0° to 55° C
  - Storage: -40° to 75° C
- Relative Humidity:
  - Operating: 10 to 90 % non-condensing
  - Storage: 0 to 95% non-condensing
- Mating Connectors for one module:
  - Installation Kit # 89800050

Distributor Information:

ASCOR INCORPORATED
A Giga-tronics Company

4384 Enterprise Place, Fremont, CA 94538-6365
Telephone: (510)490-2300, Fax: (510)490-8493, Website: www.ascor-inc.com