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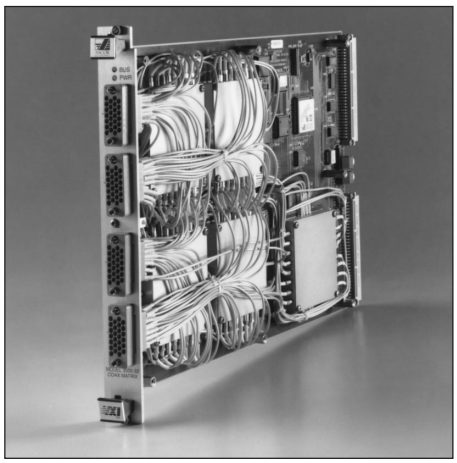
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Find the *Astronics / Giga-tronics / Ascor 3000-32* at our website: ***Click HERE***

MODEL 3000-32

ASCOR Model 3000-32
High Frequency VXI Coaxial Multiplexer Switch Module



ASCOR's Model 3000-32 single-slot, high density Coaxial Multiplexer Switch Module provides an extremely versatile environment for a wide range of high or low frequency scanning and other VXI measurement and test applications – achieving clean, high frequency responses at over 900 MHz.

The standard Model 3000-32 is comprised of four 16 pole switch blocks and eight 1 x 2 relays. This unique high density design is configured to provide:

- ***Four 1 x 8 coax switch trees bandwidth 500 MHz***
- ***Eight 1 x 4 coax switch trees bandwidth 700 MHz***
- ***Eight 1 x 2 coax switch trees bandwidth 900 MHz***

Optimized For A Wide Range Of Frequencies

ASCOR has designed a comprehensive family of *pre-customized* VXI Switching Modules – each tailored to its specific function, in order to minimize customer integration chores.

The fully coaxial Model 3000-32 provides maximum switching flexibility in a single VXI slot with its pre-configured sets of 1 x 8, 1 x 4 and 1 x 2 switch trees – optimized for a wide range of frequencies to over *900 MHz.* There are no cross points, and you can close any one switch, or all.

Four 26 pin connectors can be accessed from the front of the module.

Unique Design For High Bandwidth, Low Noise

The Model 3000-32's unique high density design ensures maximum bandwidth and minimal noise by using individually shielded relays in a controlled coaxial cable, 50 Ohm environment.

Everything is carefully designed to maintain impedance, so as not to degrade frequency response, while the fully shielded, isolated ground relays minimize crosstalk and protect against noise injection from outside sources.

Pre-Configured For Optimal Performance

Why struggle to integrate commodity switching components? With the Model 3000-32, ASCOR has designed and built a virtually noise-free, high density, plug-and-play matrix switch – already configured for *versatility* and *optimal performance* in your measurement and source test applications.

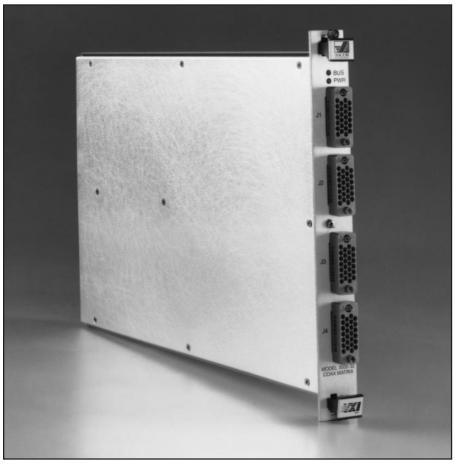


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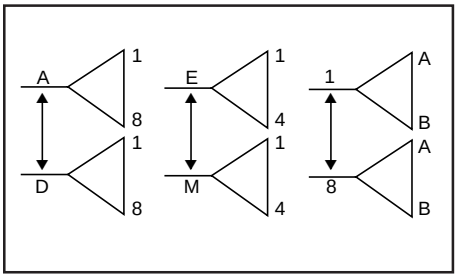
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MODEL 3000-32

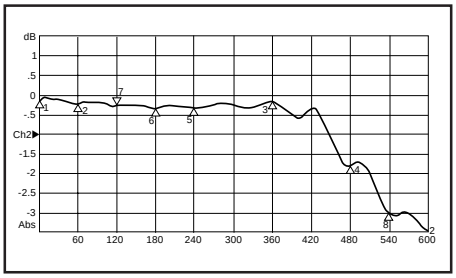
ASCOR Model 3000-32
High Frequency VXI Coaxial Multiplexer Switch Module



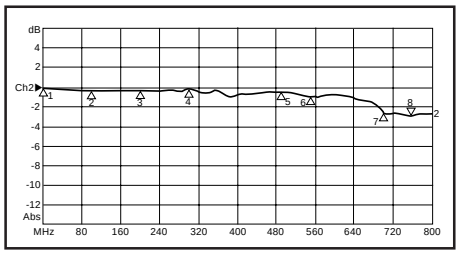
ASCOR's Model 3000-32 is designed for optimal flexibility, with pre-configured sets of 1x8, 1x4 and 1x2 relays in a single slot module.



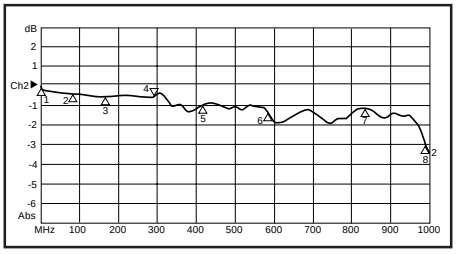
Schematic of 3000-32 Board.



Sweep of 1 x 8.



Sweep of 1 x 4.



Sweep of 1 x 2.

Self Testing

Like all ASCOR VXI Modules, the Model 3000-32 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.

Specifications

- VXI single slot "C" size module
- Programming is register based **VXI*plug&play***
- VXI Power (typical):
  + 5 volts @ 1.73 Amps (max.)
- Electrical:
  - Maximum switching Voltage (Vdc, Vrms, resistive): 200 volts
  - Maximum switching power: 10 Watts
  - Carry Current (DC, Vrms): 1 Amps
- Bandwidth (-3db):
  - Coax Switch Tree 1 X 8: 500 Mhz
  - Coax Switch Tree 1 X 4: 700 Mhz
  - Coax Switch Tree 1 X 2: 900 Mhz
- Characteristic impedance: 50 ohms
- Crosstalk @ 100 Mhz: –50 db
- Insertion loss @ 50 Mhz: – 1 db
- Environmental Specification:
  - 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 #89800120

Protecting Your Investment With VXIMAX™ 16/32

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

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

Ordering Information:

- ASCOR 3000-32: VXI Module with Four 1 X 8; Eight 1 X 4; Eight 1 X 2; Coax Switch Trees
- Option 01: VXI Module with Twenty 1 X 4 Coax Switch Trees
- Option 02: VXI Module with Ten 1 X 8 Coax Switch Trees
- Option 03: VXI Module with Five 1 X 16 Coax Switch Trees
- Mating connector: P/N 56102560 (4 required)
- Connector contacts: P/N 72000140 (104 required)

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.

ASCOR INCORPORATED
A Giga-tronics Company

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