

MODEL 3000-531

ASCOR Model 3000-531 General Purpose Switch Module



ASCOR's Model 3000-531 VXI Module is a General Purpose Switch Module containing four types of form "C" relays in a single three slot module. This compact design saves costly VXI slots, while reducing programming efforts and providing a variety of relay configurations. The combination of SPDT relays is contained in the following four (4) groups.

Group 1

Contains sixteen shielded, form "C" relays rated at 250 volts (DC or RMS), 1 amp (DC or RMS), and 40 watts. The bandwidth is greater than 20 MHz into 50 ohms.

Group 2

Contains sixteen form "C" relays rated at 500 volts (DC or RMS), 0.1 amp (DC or RMS), and 500 mW. The bandwidth is greater than 1.6 KHz into 50 ohms.

Group 3

Contains sixteen high frequency coaxially shielded form "C" relays rated at 10 volts (DC or RMS), 0.1 amps (DC or RMS), and 500 mW. The bandwidth is greater than 500 MHz into 50 ohms

Group 4

Contains four high voltage form "C" relays rated at 1,000 volts (peak to peak), 0.01 amps (DC or RMS), and 500 mw. A metal cover protects low voltage circuits from the high voltage. Bandwidth greater than 100 KHz into 50 ohms.

VXI Module "C" size, Three Slots High Density Switch Module:

ASCOR has designed a comprehensive family of high density VXI Switching Modules tailored to allow maximum flexibility for the system integrator. ASCOR's proven experience in designing high performance; high density switching solutions is incorporated in this design. Ideal for switching a variety of signals while requiring only three VXI slots, this module is an example of ASCOR's ability to listen to the customer and develop innovative solutions.

Protecting Your Investment With VXIMAX™ 16/32

To address tomorrow's applications, requiring even greater capabilities, ASCOR's 3000-531 supports either 16-bit or 32-bit data bus paths through its VXIMAX 16/32 VXIbus interface. 3000-531 customers can upgrade to 32-bit from 16-bit with VXIMAX's field upgradability.



ASCOR
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A Giga-tronics Company

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ASCOR's 3000-531 offers a unique combination of High Voltage Switching and High Bandwidth Switching within the same VXI module.

Self Testing

Like all ASCOR VXI Modules the Model 3000-531 incorporates internal self test hardware which includes the ability to test, read back and verify the integrity of the program control circuitry. 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, three slot, "C" size module
- Programming is register based
- **VXIplug&play** drivers available
- VXI Power + 5 volts @ 2.4 amps
+ 12 volts @ 0.01 amps

Relay Group Specifications:

Group 1:

- Type Form "C" (SPDT)
- Quantity: 16
- Voltage(Max.): 250 VDC / VAC
- Current(Max.): 1 Amp DC / AC
- Power(Max.) 40 Watts
- Bandwidth(-3dB): >20 Mhz into 50 ohms

Group 2:

- Type Form "C" (SPDT)
- Quantity: 16
- Voltage(Max.): 500 VDC / VAC
- Current(Max.): 100 mA DC / AC
- Power(Max.) 500 mW
- Bandwidth(-3dB): >1.6 KHz into 50 ohms

Group 3:

- Type Form "C" Coax (SPDT)
- Quantity: 16
- Voltage (Max.): 10 VDC / VAC
- Current (Max.): 100 mA DC / AC
- Power(Max.) 500 mW
- Bandwidth(-3dB): >500 MHz into 50 ohms

Group 4:

- Type Form "C" (SPDT)
- Quantity: 4
- Voltage (Max.): 1000 Vp-p
- Current (Max.): 10 mA DC / AC
- Power (Max.) 500 MW
- Bandwidth (-3dB): >100 KHz into 50 ohms

Environmental Specification

Temperature

- Operating: 0 to 55 degrees C
- Storage -40 to 75 degrees C

Relative Humidity

- Operating 10 to 90 % non-condensing
- Storage 0 to 95% non-condensing

Ordering Information: