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Product Overview

ASCOR's 3000 Series VXI Switch modules cover a wide range of switching applications. All units are fully VXI compatible and each product is supplied with a Plug&Play software driver. The 3000 Series VXI modules support a bandwidth from DC to 26.5GHz. Optical 1x2 switches are also supported. Click on the link below to learn more about the 3000 Series.

- General Purpose
- Shielded Relay Scanner & Matrix
- Tree
- Digital
- Power
- Special
- Microwave & RF
- Optical

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General Purpose

Model #	Module Description	Resistance (Ohms)	Bandwidth	Cross Talk	Insertion Loss	Switch Type	Max Switch Power	Max Carrying Current	Max Switching Current	Max Voltage Rating	Shield	Download Brochure
3000-04	128 channel relay driver, 50V @ 500mA										No	
3000-07	192 SPST, 2A										No	N/A
3000-12	32 SPDT, 2A	0.2 W	50 MHz	-70 dB @ 50 MHz	-0.5 dB @ 25 MHz	DPDT	60W	2A		220 VDC	No	
3000-15	18 Coax SPST, 24 GP SPST (HG)	0.3 W	800 MHz	-35 dB @ 50 MHz	-1.3 dB @ 25 MHz	SPST	50W	2A	1A	250 VDC	Yes	N/A
3000-20	32 Coax Form C, 12 SPDT					SPDT	3W	1A	0.25A	150 VDC	Yes	N/A
3000-48	Source 16 channel high power driver with programmable timer (pulse) 650W max. total										No	
3000-49	Sink 16 channel high power driver with programmable timer (pulse) 650W max. total										No	N/A
3000-53	96 SPDT, 2A	0.5 W	70 MHz	-40 dB @ 10 MHz	-0.1 dB @ 50 MHz	SPDT	60W	2A	0.5A	220V	No	N/A
3000-56	Shielded, 64 SPDT	0.5 W	350 MHz			SPDT	3W	1A	0.25A	150VDC	Yes	N/A
3000-60	High frequency, 32 DPDT, 2A	0.35 W	180 MHz	-55 dB @ 50 MHz	-0.25 dB @ 25 MHz	DPDT	60W	2A	0.3A	220VDC	No	N/A
3000-508	1A source driver up to 64 channels optically isolated										No	
3000-517	75 ohm, (24) Form A (4) Form C	0.6 W	500 MHz	-60 dB @ 250 MHz	-2.2 dB @ 250 MHz	SPST	10W	1A	0.5A	200V	Yes	N/A
3000-523	(12) Dual terminating switches -input/output					SPDT	3W	1A	0.25A	150VDC	Yes	
3000-531	52) Form C in four groups: (16) Form C @ 250V (16) Form C @ 500V (16) Form C Coaxial (500MHz) (4) Form C @ 1000V	0.5 W	90 MHz	-60 dB @ 10 MHz	-1.5 dB @ 50 MHz	SPDT	100W	3A	1.5A	500VDC	No	N/A
3000-A308	80 channel driver replaces Tektronix 73A-308										No	N/A
3000-4351	40 SPST, 10A replaces Tektronix VX4351	0.05 W				SPDT	300W		10A	150VDC	No	N/A
3000-4357	32 SPDT, 5A replaces Tektronix VX4357	0.3 W	90 MHz	-51 dB @ 1 MHz	-0.3 dB @ 1 MHz	SPDT	150W		5A	110DC		N/A

(Top)

Shielded Relay Scanner & Matrix

Model #	Description	Resistance (Ohms)	Bandwidth	Cross Talk	Insertion Loss	Switch Type	Max Switch Power	Max Carrying Current	Max Switching Current	Max Voltage Rating	Shield	Download Brochure
3000-14	Shielded, 48x8	3.0 W				SPST	10W	1A	0.5A	200V	Yes	
3000-17	Shielded, 32x4 dual wire					DPST	10W	1A	0.5A	100VDC	Yes	
3000-18	120x4x24 Shielded Matrix, Coaxial Shielded, 4 slots					SPST	10W	1A	0.5A	200V	Yes	
3000-25	7 2x6 coaxial matrices	0.5 W	75 MHz	-40 dB @ 50 MHz	-1.5 dB @ 25 MHz	SPST	10W	1A	0.5A	200VDC		
3000-28	10x48											
3000-30	Dual 12x2, Dual 6x2 Coaxial Matrices	0.7 W	400 MHz	-50 dB @ 50 MHz	-0.7 dB @ 25 MHz	SPST	10W	1A	0.5A	200VDC		
3000-34	2x128 Coaxial Matrix/Quad 2x32 Coaxial Matrix	0.3 W	49 MHz			SPST	10W	1A	0.5A	200V	Yes	

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3000-35	High Frequency 8 x 10, 3 x 10 UHF (6) Form C with matrix termination	0.9 W	50 MHz			SPDT	3W	1A	0.25A	150VDC	Yes	
3000-39	High Frequency 8 x 10, 3 x 10 UHF (6) Star switches with matrix termination	0.9 W	50 MHz			SPDT	3W	1A	0.25A	150VDC	Yes	
3000-44	2x128 Two-Wire Coaxially Shielded Matrix	0.7 W	40 MHz	-30 dB @ 20 MHz	-1.5 dB @ 20 MHz	DPST	10W	1.5A	0.5A	200V	Yes	
3000-45	4x64 Two-Wire Coaxially Shielded Matrix	0.5 W	60 MHz			DPST	10W	1.5A	0.5A	200V	Yes	
3000-47	8x32 Two-Wire Shielded (dual 8 x 16 optional)	0.5 W	80 MHz	-49 dB @ 50 MHz	-1.1 dB @ 50 MHz	DPST	10W	1.5A	0.5A	200V	Yes	
3000-52	8x32 Two-Wire (dual 8 x 16 optional)	0.5 W	75 MHz	-35 dB @ 50 MHz	-1 dB @ 50 MHz	DPDT	60W	2A	0.3A	220VDC		
3000-57	4x64 Two-Wire Matrix	0.3 W	75 MHz			DPDT	60W	2A	0.3A	220VDC		
3000-510	384x4 Dual-Wire Matrix, 15MHz	0.9 W	20 MHz		-1 dB @ 10MHz	DPST	10W	1.5A	0.5A	200V	Yes	
3000-515	16x12 RF	0.8 W	800 MHz			DPDT	3W	1A		30VDC		
3000-522	Complex Measurement Matrix (4 slots) Inputs: 40 HV, 256 LV & 20HF channels Outputs: LF DMM, HF Digitizer, HF Counter, LF/HF interconnect	1.3 W	4 MHz	-52 dB @ 2 MHz	-0.5 dB @ 2 MHz	DPST	10W	0.5A	0.5A	100VDC	Yes	
3000-525	Quad 4x4 with switched shields	0.4 W	100 MHz	-38 dB @ 100 MHz		SPST	3W	0.5A	0.25A	100V	Yes	
3000-530	408x10x48, 12 slots	0.9 W	10 MHz			SPST	10W	1.5A	0.5A	200VDC		
3000-533	192x1x2 Matrix, 5 Slots	1.0 W	50 MHz	-93 dB @ 20 MHz	-0.6 dB @ 20 MHz	SPDT	24W	1A	1A	24VDC		

(Top)

High Frequency Coax

Model #	Description	Resistance (Ohms)	Bandwidth	Crosstalk	Insertion Loss	Switch Type	Max Switch Power	Max Carrying Current	Max Switching Current	Max Voltage Rating	Shield	Download Brochure
3000-05	36x2 matrix, 350MHz minimum	0.8 W	300 MHz			SPST	10W	1A	0.5A	200VDC		
3000-06	Dual 18x2 matrix,, 350 MHz minimum		350 MHz			SPST	10W	1A	0.5A	200VDC		

(Top)

Digital

Model #	Description	Specifications	Download Brochure
3000-22	Serial I/O Amraam	Serial I/O Interface to Amraam Gyro	
3000-23	Serial I/O Amraam w/ 8 Channel Mux	Serial I/O Interface to Amraam Gyro	
3000-33	Data Buffer	Special, Amraam	
3000-41	32 Channel Edge Detector w/ time stamp	Prog. Atten/Level, 2000 Events per Channel	
3000-48	16 Channel High Power Driver w/ Programmable Timer (pulse)	50V @ 500 mA max	
3000-49	16 Channel High Power Driver w/ Programmable Timer (Pulse)	Source: 4A per channel up to 50V; 650W max total	
3000-61	128 Channel Digital I/O, CMOS	Option 1: 256 TTL Channels. Option 2: w/ 32 cmos, differential, and open collector.	
3000-62	128 Channel Digital I/O, TTL	Option 3: w/ 64 Differential Channels. Option 4: w/ 128 Channel Relay Drivers	
3000-63	128 Channel Digital I/O w/ Open Collector Drivers		
3000-501	Special: Serial I/O for Satellite Communication	Simulates Space Vehicle Commuter bus to the IBE (Integrated Bus Electronics)	
3000-502	Special: Serial I/O for Satellite Communication	Simulates communications between IBE and the Attitude Control Electronics	
3000-503	Special: High Speed Serial, 4 Channel, 2 MBits rate max	1 Master Transmitter, 1 Master Receiver, 1 Slave Transmit, 1 Slave Receiver	
3000-504	Special: Manchester Biphase Serial I/O	Manchester Serial I/O, 2 MBits rate max, 16 static I/O (8 single ended, 8 differential)	
3000-505	Special: Peripheral Interface	Support for Satellite 2 Gyro Interface, 4 Tachometer Interface, 32 bit Register, 10 bit Optical Interface	
3000-506	Special: Multi-Function I/O	2 Channel Differential 1:4, 2 Channel Differential 8:1, 2 Channel Diffferential 1:8, 4 Channel 4:1 (single ended in, differential out), 4 Channel 4:1 (differential in, differential out) 24 Differential Drivers, Clock and Sync Generator: 16.384 MHz max	
3000-507	Special: Multi-Purpose Serial I/O	28 Serial Outputs, 28 Serial Inputs: 2MB rate max 2Kx32-bit FIFO for each Channel	
3000-513	Special: Serial I/O Interface to Paveway Gryo		
3000-514	Special: Satellite Serial I/O CCMIF		
3000-521	Special: Programmable Discreet Driver/Receiver	F2 Fighter, low frequency digital I/O	
3000-582	Special: Interface for Up converter	F2 Fighter	

(Top)

Power

Model No.	Description	Resistance (Ohms)	Bandwidth	Crosstalk	Insertion Loss	Switch Type	Max Switch Power	Max Carrying Current	Max Switching Current	Max Voltage Rating	Shield	Download Brochure
3000-01	Quad 1x8 Power Distribution Switch	0.1 W	25 MHz	-45 dB @ 50 MHz	-0.1 dB @ 25 MHz	SPST	150W	5A	5A	150VDC		

3000-02	96 General Purpose SPST, 5 Amp	0.01 W	30 MHz	-39 dB @ 50 MHz	-0.13 dB @ 25 MHz	SPST	150W	5A	5A	150VDC	
3000-42	48 SPDT, 5 Amp	0.3 W	45 MHz	-55 dB @ 1 MHz	-0.8 dB @ 30 MHz	SPDT	150W	5A	5A	110DC	
3000-43	48 SPST, 10 Amp	0.14 W				SPDT	300W	10A	10A	150VDC	
3000-59	32 SPDT, 10 Amp										

(Top)

Optical

Model #	Description	Resistance (Ohms)	Bandwidth	Crosstalk	Insertion Loss	Switch Type	Max Switch Power	Max Carrying Current	Max Switching Current	Max Voltage Rating	Shield	Download Brochure
3000-81	4 EA, 1x2, Single Slot			-80 dB max	-1 dB max							

(Top)

Tree

Model #	Description	Resistance (Ohms)	Bandwidth	Crosstalk	Insertion Loss	Switch Type	Max Switch Power	Max Carrying Current	Max Switching Current	Max Voltage Rating	Shield	Download Brochure
3000-03	Quad 1x30 with Switched Guards, Coaxially Shielded	0.3 W	50 MHz	-50 dB @ 50 MHz	-0.25 dB @ 25 MHz	SPST	10W	1A	0.5A	200V	Yes	
3000-08	Quad 1x60 with Switched Guards, Coaxially Shielded	0.3 W	50 MHz	-50 dB @ 50 MHz	-0.25 dB @ 25 MHz	SPST	10W	1A	0.5A	200V	Yes	
3000-09	Quad 1x120 with Switched Guards, Coaxially Shielded			-70 dB @ 1 MHz	-0.2 dB @ 15 MHz	SPST	10W	1.5A	0.5A	200V	Yes	
3000-13	5 each, 1x96, Shielded Switches, 2 slots	0.75 W	50 MHz	-40 dB @ 50 MHz	-0.8 dB @ 25 MHz	SPST	10W	1A	0.5A	200V	Yes	
3000-29	Six 1x6 Coaxial Trees					SPST	10W	1A	0.5A	200VDC		
3000-32	4 ea 1x8, 8 ea 1x4, 8 ea 1x2 Coaxial Trees	0.75 W	500 MHz	-40 dB @ 100 MHz	-0.4 dB @ 50 MHz	SPST	10W	1A	0.5A	200VDC		
3000-46	Mix Signal; 64 DPST, 16 1x8 or 8 1x16, or 4 1x32 or 2 1x64	1.0 W	60 MHz	-50 dB @ 60 MHz	-1.65 dB @ 60 MHz	DPST	10W	1.5A	0.5A	200V	Yes	
3000-66	16 ea 1x4 Dual Wire Shielded	0.5 W	340 MHz	-28 dB @ 35 MHz	-2.2 dB @ 35 MHz	DPST	10W	1A	0.5A	500V	Yes	
3000-38	1x256 or Multi-Trees, 2 Wire											
3000-524	Quad Coaxial 1x12 with Switched Shields	0.3 W	125 MHz	-75 dB @ 100 MHz	-1 dB @ 100 MHz	SPST	3W	0.5A	0.25A	100V	Yes	

(Top)

Microwave

Model #	Description	DC Resistance (Ohms)	Bandwidth	Crosstalk	Insertion Loss	Download Brochure
3000-2124	Twelve 1x4	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-2126	Twelve 1x6	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-226	Two 1x6	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-2323	Three 1x2, Three 1x6, Terminated	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-236T	Three 1x6, Terminated	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-2426	Two 1x4, Two 1x6	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-244	Four 1x4	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-244T	Four 1x4, Terminated	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-246	Four 1x6	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-246T	Four 1x6, Terminated	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-264	Six 1x4	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-266	Six 1x6	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-2666	Six 1x6, Six 1x2, Terminated	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-284	Eight 1x4	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-286	Eight 1x6	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-2xx	Configurable Switch Family	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-580	Special: Four Channel Microwave w/ Hopping Filter	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-64	Six 1x4	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	
3000-80	Six 1x6, Single Slot	0.05 W	18 GHz	-60 dB	-0.5 dB @ 18 GHz	

(Top)

RF

Model #	Description	Resistance (Ohms)	Bandwidth	Crosstalk	Insertion Loss	Switch Type	Max Switch Power	Max Carrying Current	Max Switching Current	Max Voltage Rating	Shield	Download Brochure
3000-4320	RF Switch 8 (1x4, 1.3 GHz), Replacement for Tek VX4320	0.3 W	1.3 GHz	-46 dB @ 1.3 GHz	-1.3 dB @ 1.3 GHz		24W	1A	1A	24VDC		
3000-54	Twelve 1x4 Coaxial Trees	0.3 W	2 GHz	-40 dB @ 1.3 GHz	-1.3 dB @ 1.3 GHz	SPDT	60W	2A	0.5A	220W		
3000-55	4x4 Matrix	0.5 W	1.8 GHz	-40 dB @ 1 GHz	-1.8 dB @ 1 GHz	SPDT	24W	1A	1A	24VDC		
3000-55A	Dual 4x4 Matrix	0.5 W	1.8 GHz	-40 dB @ 1 GHz	-1.8 dB @ 1 GHz	SPDT	24W	1A	1A	24VDC		

(Top)

Special

Model #	Description	Resistance (Ohms)	Bandwidth	Crosstalk	Insertion Loss	Switch Type	Max Switch Power	Max Carrying Current	Max Switching Current	Max Voltage Rating	Shield	Download Brochure
3000-19	GRS Simulator, Gyro simulator module					SPST	10W	1A	0.5A	200VDC	Yes	
3000-21	Instrument switch, DMM/FTIM: Amraam/Longbow					SPST	10W	1A	0.5A	200VDC	Yes	
3000-40	VXI prototyping kit											
3000-511	VXI Control interface to series 49XX Switch Matrix											

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3000-16	VXI Status Monitor		SPDT	170W	6A		150VDC	
3000-509	64 Channel Thermistor Simulator							
3000-27	10 Channel Programmable Resistor		SPST	10W	1.5A	0.5A		Yes
3000-4287	A/D Converter, 32 Channels Replacement for Tek VX4287							
3000-4730	12 Channel D/A							
3000-4330	120 Channel Relay Mux 6 (1x10) 4 Wire Replacement for Tek VX4330							

(Top)

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