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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
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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

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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		

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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		

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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	

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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										

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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							

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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	

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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	

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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		

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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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