Frequency Range	700-3000 MHz
Configuration	8 x 8 Non-Blocking Solid-State Matrix Switch (See block diagram 092-2886) (Unused input ports are self-terminating) (Unused output ports are self-terminating) (all ports are bi-directional) (the ADMIN password is located on rear panel)
Startup/Default States (configurable)	All ports off at startup (see MATRIX command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command) All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
Enclosure Type	19 inch rack mount @ 5RU high
Impedance	50 Ohms nominal
VSWR	1.4:1 typical 1.6:1 maximum
Insertion Loss	11.5 dB typical @ 700 MHz 13.5 dB typical @ 3000 MHz

Isolation	Output to Output – 30 dB typical
	(Set to same input) – 25 dB minimum
	
	Output to Output
	(Set to diff inputs) – 90 dB typical
	                        – 60 dB minimum
	
	Input to Output – 90 dB typical
	                        – 60 dB minimum
	
	Input to Input – 70 dB typical
	                        – 60 dB minimum

RF Input Power	+20 dBm average +27 dBm (no damage)
Switching Speed	20 microseconds (after command is received and processed) (3 milliseconds typical processing time)
Manual Control	20-Button Keypad and LCD display (IP Address configurable via keypad) (Net mask configurable via keypad) (Gateway configurable via keypad) (Baud rate configurable via keypad)

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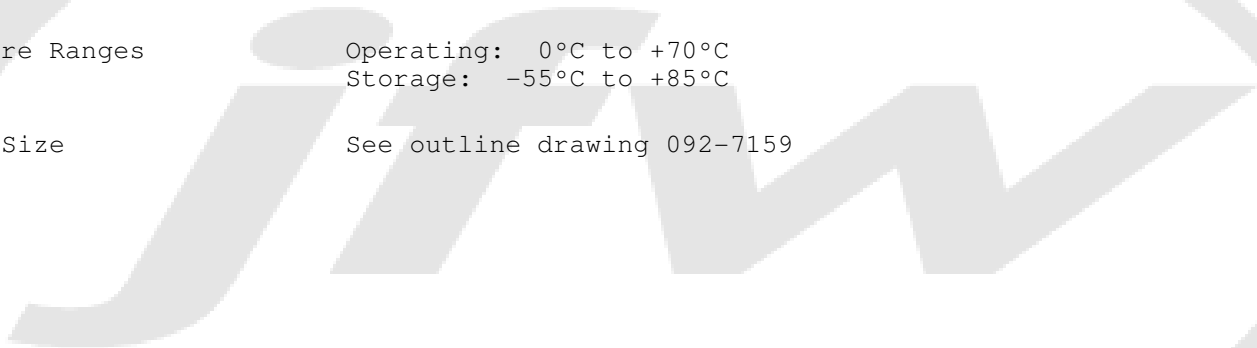|	
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)
Remote Commands	Matrix Commands: Matrix, Set Input, Set Output, Read Input, Read Output, Read All Inputs, Read All Outputs, Read Matrix Paths
	System Commands: Help, Identification, Store, Recall, Pause, Net,Serial, Close, Disconnect, MOTD, Date,Message,Restrict, IDENT, Name, Show Users, Reboot, Uptime, Prompt
RF Connector	SMA female
AC Supply	100-240 VAC @ 47-63 Hz 0.50 Amps @ 120 VAC nominal 0.25 Amps @ 240 VAC nominal 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse #215-002, JFW #025-021
Temperature Ranges	Operating: 0°C to +70°C Storage: -55°C to +85°C
Physical Size	See outline drawing 092-7159

ECR/ECN # DATE	REV	APPR / DATE	ECR/ECN # DATE	REV APPR / DATE
05/31/2012		BAC 05/31/2012		
24239 04/28/2015	A	BAC 04/28/2015		