

SPECIFICATION SHEET
JFW MODEL 50MS-192
SOLID STATE MATRIX SWITCH

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Frequency Range	800-2400 MHz
Configuration	24 x 3 Non-Blocking Matrix (See Block Diagram 092-5114)
Impedance	50 Ohms nominal
VSWR	1.4:1 typical 1.6:1 maximum
Insertion Loss	22 dB typical 800-1000MHz 24 dB maximum 800-1000MHz 26 dB typical 1000-2400MHz 28 dB maximum 1000-2400MHz
Isolation	Input to Input - 20 dB minimum Input to Output - 50 dB minimum Output to Output - 50 dB minimum
Attenuation Range	0-63 dB in 1 dB steps (Three individually controlled units, one on each output)
Attenuation Accuracy	± 0.4 dB or 2% of programmed
RF Input Power	+20 dBm average +27 dBm (no damage)
Switching Speed	100 microseconds (after command is received and processed) (3 milliseconds typical processing time)
AC Supply	100-240 VAC at 47-63 Hz
Control (Remote)	Ethernet (10/100) and RS-232
Control Connector (Remote)	RJ-45 (Ethernet) DE-9P (RS-232)
RF Connector	N female
Temperature Ranges	Operating: 0°C to +70°C Storage: -55°C to +85°C
Physical Size	See outline drawing 092-5113

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/27/2006		BAC 04/27/2006				
15916	05/28/2008	A	TRS 05/28/2008				
16179	08/07/2008	B	TRS 08/07/2008				