

SPECIFICATION SHEET
JFW MODEL 50MS-241
SOLID STATE MATRIX SWITCH

JFW Industries, Inc.
Phone: 317-887-1340
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www.jfwindustries.com

Frequency Range	700-3000 MHz
Configuration	4 x 96 Non-Blocking Matrix (See block diagram 092-6015)
Impedance	50 Ohms nominal
VSWR	1.4:1 typical 700-2000MHz 1.6:1 typical 2000-3000MHz 1.8:1 maximum 700-3000MHz
Insertion Loss	12 dB nominal @ 700 MHz 15 dB nominal @ 2000 MHz 16 dB nominal @ 3000 MHz
Isolation	Output to Output 60 dB minimum Input to Output 60 dB minimum Input to Input (Different Outputs) 60 dB minimum Input to Input (Same Output) 20 dB minimum
RF Input Power	+20 dBm maximum
Switching Speed	50 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
AC Supply	85-264 VAC @ 47-63 Hz
Manual Control	Keypad and LCD display
Remote Control	Ethernet (10/100)
Control Connector	RJ-45 (Ethernet) DE-9P (IP programming port)
Remote Commands	Command: ACSII: ----- Set Input SIx y <CR> Read Input RIx <CR> Identification IDN <CR>
RF Connector	SMA female
Operating Temperature Range	0°C to +50°C

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Physical Size

See outline drawing 092-6014



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	12/09/2008		BAC 12/09/2008				
18402	03/16/2010	A	BAC 03/16/2010				
18423	03/17/2010	B	BAC 03/17/2010				