

**SPECIFICATION SHEET**

**JFW MODEL 50MS-252**

**8 X 8 NON-BLOCKING SOLID STATE MATRIX SWITCH**

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

Frequency Range	700-3000 MHz
Configuration	8 x 8 Non-Blocking Matrix (See Block Diagram 092-2886)
Impedance	50 Ohms nominal
VSWR	1.4:1 typical 1.6:1 maximum
Insertion Loss	11.5 dB typical @ 700MHz 13.5 dB typical @ 3000MHz
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)
AC Supply	85-264VAC @ 47-63 Hz
Control (Remote)	Ethernet (10/100, TCP/IP, 4 users)
Control Connector (Remote)	RJ-45 (Ethernet)
RF Connector	SMA female
Temperature Ranges	Operating: 0°C to +70°C Storage: -55°C to +85°C
Physical Size	See outline drawing 092-6142

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	06/30/2009		BAC 06/30/2009				