

SPECIFICATION SHEET

JFW MODEL 50MS-252

8 X 8 NON-BLOCKING SOLID STATE MATRIX SWITCH

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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 (Set to same input) - 30 dB typical - 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

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