

**SPECIFICATION SHEET**  
**JFW MODEL 50MS-225**  
**SOLID STATE MATRIX SWITCH**

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Frequency Range	100-1500 MHz
Configuration	12 x 10 Non-Blocking Matrix (See block diagram 092-5620)
Impedance	50 Ohms nominal
VSWR	1.4:1 typical 1.6:1 maximum
Insertion Loss	20 dB nominal @ 100 MHz 22 dB nominal @ 1500 MHz
Isolation	Input to Input 60 dB minimum Input to Output 60 dB minimum Output to Output (Different Inputs) 60 dB minimum Output to Output (Same Input) 20 dB minimum
RF Input Power	1 Watt average
Switching Speed	20 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)
Remote Commands	Command: ACSII: ----- Set Output SOx y <CR> Read Output ROx <CR> Identification IDN <CR>
RF Connector	N female
Operating Temperature Range	0°C to +50°C
Physical Size	See outline drawing 092-5619

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	11/08/2007		BAC 11/08/2007				
15916	05/28/2008	A	TRS 05/28/2008				
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