**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<br>(See block diagram 092-5620) |
| Impedance | 50 Ohms nominal |
| VSWR | 1.4:1 typical<br>1.6:1 maximum |
| Insertion Loss | 20 dB nominal @ 100 MHz<br>22 dB nominal @ 1500 MHz |
| Isolation | Input to Input 60 dB minimum<br>Input to Output 60 dB minimum<br>Output to Output<br>(Different Inputs) 60 dB minimum<br>Output to Output<br>(Same Input) 20 dB minimum |
| RF Input Power | 1 Watt average |
| Switching Speed | 20 microseconds typical<br>(after command is received and processed)<br>(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:<br>---<br>Set Output SOx y <CR><br>Read Output ROx <CR><br>Identification IDN <CR> |
| RF Connector | N female |
| Operating Temperature Range | 0°C to +50°C |
| Physical Size | See outline drawing 092-5619 |

| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
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