

**SPECIFICATION SHEET****JFW MODEL 50S-1213****1P10T SELF TERMINATING SOLID STATE RF SWITCH**

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|                             |                                                                                                                            |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Frequency Range             | 20-4300 MHz                                                                                                                |
| Configuration               | 1P10T Self Terminating                                                                                                     |
| Impedance                   | 50 Ohms nominal                                                                                                            |
| VSWR                        | 1.6:1 maximum                                                                                                              |
| Insertion Loss              | 2 dB maximum 20-1000 MHz<br>2.5 dB maximum 1000-2000 MHz<br>3.25 dB maximum 2000-3000 MHz<br>4.25 dB maximum 3000-4300 MHz |
| Isolation                   | 70 dB minimum to 2000 MHz<br>50 dB minimum to 4300 MHz                                                                     |
| Switching Speed             | 20 microseconds                                                                                                            |
| RF Input Power              | +20 dBm (20-100 MHz)<br>+30 dBm (100-4300 MHz)                                                                             |
| Control Logic (4 Lines)     | TTL per 092-3707                                                                                                           |
| DC Supply                   | +24 Vdc @ 220 mA nominal<br>and<br>+5 Vdc @ 150 mA nominal                                                                 |
| DC Connector                | 3M #3793-5303                                                                                                              |
| RF Connector                | SMA female                                                                                                                 |
| Operating Temperature Range | 0°C to +70°C                                                                                                               |
| Physical Size               | See outline drawing 092-3707                                                                                               |

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE       | REV | APPR / DATE    |
|-----------|------------|-----|----------------|-----------|------------|-----|----------------|
|           | 06/27/2001 |     |                | 21634     | 06/08/2012 | C   | CLK 06/08/2012 |
| 9999      | 02/05/2003 | A   | BAC 07/12/2004 | 22852     | 05/20/2013 | D   | BAC 05/20/2013 |
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