

**SPECIFICATION SHEET**  
**JFW MODEL 50S-976**  
**1P2T SOLID STATE RF SWITCH**

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|                             |  |
|-----------------------------|--|
| Frequency Range             | 750-4300 MHz   |
| Configuration               | 1P2T   |
| Impedance                   | 50 Ohms nominal  |
| VSWR                        | 1.4:1 maximum  |
| Insertion Loss              | 1.5 dB maximum   |
| Isolation                   | 50 dB minimum 750-2000 MHz<br>40 dB minimum 2000-3500 MHz<br>30 dB minimum 3500-4300 MHz |
| Switching Speed             | 5 microseconds   |
| RF Input Power              | +10 dBm  |
| Control Logic (2 Lines)     | TTL Low for OFF<br>TTL High for ON   |
| DC Supply                   | +5 Vdc @ 150 mA  |
| RF Connector                | SMA female   |
| Operating Temperature Range | 0°C to +70°C   |
| Storage Temperature Range   | -55°C to +90°C   |
| Physical Size               | See outline drawing 092-1066   |

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
|           | 04/17/1997 |     |                |           |      |     |             |
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