

**SPECIFICATION SHEET**  
**JFW MODEL 50S-1525**  
**1P4T SOLID STATE RF SWITCH**

JFW Industries, Inc.  
 Phone: 317-887-1340  
 sales@jfwindustries.com  
 www.jfwindustries.com

|                             |  |
|-----------------------------|--|
| Frequency Range             | 100-500 MHz  |
| Configuration               | 1P4T   |
| Impedance                   | 50 Ohms nominal  |
| VSWR                        | 1.3:1 maximum  |
| Insertion Loss              | 0.55 dB maximum  |
| Isolation                   | 50 dB minimum  |
| Switching Speed             | 40 microseconds<br>(50% TTL to 10% or 90% RF)  |
| RF Input Power              | 100 Watts average Cold switch<br>500 Watts peak (1usec)<br><br>20 Watts average Hot switch |
| Control Logic (3 Lines)     | TTL per 092-5238   |
| DC Supply                   | +15 Vdc @ 650 mA nominal<br>and<br>+5 Vdc @ 150 mA nominal                                 |
| RF Connector                | SMA, TNC or N female   |
| DC Connector                | Solder terminals   |
| Operating Temperature Range | -20°C to +70°C   |
| Storage Temperature Range   | -55°C to +85°C   |
| Physical Size               | See outline drawing 092-5238   |

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
|           | 10/30/2008 |     | BAC 10/30/2006 |           |      |     |             |