

**SPECIFICATION SHEET**

**JFW MODEL 75SA-081**

**SWITCH ASSEMBLY**

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

|                                       |  |  |
|---------------------------------------|--|--|
| Frequency Range                       | DC-2150 MHz  |  |
| Configuration                         | 2 individually controlled 1P16T normally open self-terminating electro-mechanical RF switches  |  |
| Enclosure Type                        | 19 inch rack mount @ 4RU high  |  |
| Impedance                             | 75 Ohms nominal  |  |
| Startup/Default States (configurable) | RF Switch off at startup (see SWITCH command)<br>DHCP enabled (see NET command)<br>4 Ethernet users (see NET command)<br>Prompts off (see PROMPT command)                                  |  |
|                                       | All of these default settings can be changed by user.<br>Unit can be configured for up to 12 Ethernet users.   |  |
| VSWR                                  | 1.7:1 maximum<br>1.5:1 typical   |  |
| Insertion Loss                        | 2.00 dB maximum<br>0.75 dB typical<br>1.50 dB typical  | DC-2150MHz<br>DC-1000MHz<br>1000-2150MHz |
| Isolation                             | 70 dB minimum<br>50 dB minimum   | DC-1000 MHz<br>1000-2150 MHz             |
| RF Input Power                        | +27 dBm maximum  |  |
| Switching Speed                       | 10 milliseconds<br>(after command is received and processed)<br>(3 milliseconds typical processing time)   |  |
| Manual Control                        | 20-Button Keypad and LCD display<br>(IP Address configurable via keypad)<br>(Net mask configurable via keypad)<br>(Gateway configurable via keypad)<br>(Baud rate configurable via keypad) |  |
| Remote Control                        | Ethernet (DHCP, TCP/IP, 10/100, up to 12 users)<br>RS-232 (up to 115200 Baud)  |  |

**--CONTINUED--**

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Remote Commands

RF Switch Control Commands:  
Switch, Set Switch, Read Switch

System Commands:  
Help, Identification, Store, Recall, Pause, Net,  
Serial, Close, Disconnect, MOTD, Date, Message,  
Restrict, IDENT, Name, Show Users, Reboot, Uptime,  
Prompt

AC Supply

100-240 VAC @ 47-63 Hz  
2 Amp 5x20mm "Slo-Blo" AC fuse  
Littelfuse #215-002, JFW #025-021

RF Connector

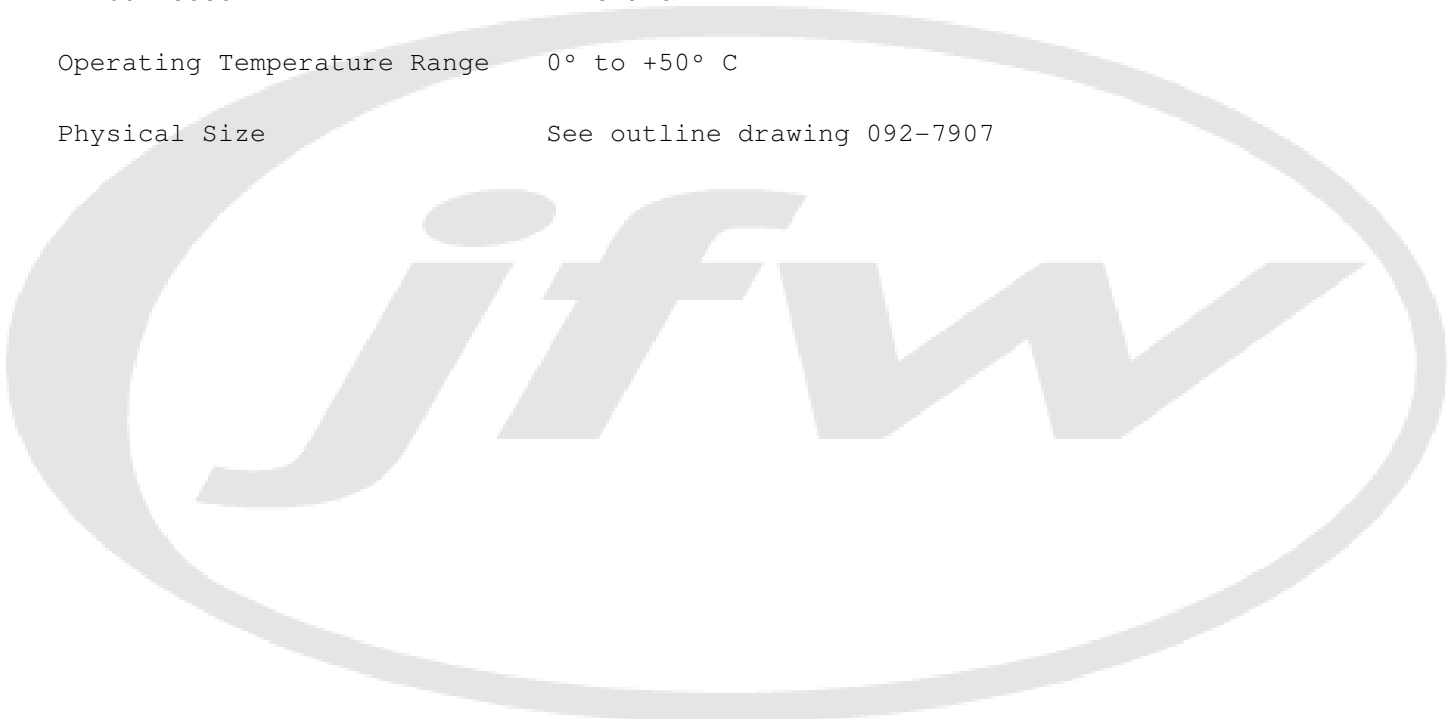
F female

Operating Temperature Range

0° to +50° C

Physical Size

See outline drawing 092-7907



| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
|           | 01/07/2014 |     | CLK 01/07/2014 |           |      |     |             |
| 24052     | 04/22/2014 | A   | CLK 04/22/2014 |           |      |     |             |
| 25257     | 04/28/2015 | B   | CLK 04/28/2015 |           |      |     |             |