

SPECIFICATION SHEET

JFW MODEL 50SA-293

SWITCH ASSEMBLY

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

| | |
|-----------------------------------|---|
| Frequency Range | DC-18 GHz |
| Configuration | 8 independent 1P2T Failsafe Reflective Electromechanical RF Switches |
| Impedance | 50 Ohms nominal |
| VSWR | 1.10:1 maximum DC-1GHz 1.15:1 maximum 1-4GHz 1.20:1 maximum 4-8GHz 1.30:1 maximum 8-12GHz 1.35:1 maximum 12-18GHz |
| Insertion Loss | 0.10 dB maximum DC-1GHz 0.15 dB maximum 1-4GHz 0.20 dB maximum 4-8GHz 0.30 dB maximum 8-12GHz 0.35 dB maximum 12-18GHz |
| Isolation | 85 dB minimum DC-1GHz 80 dB minimum 1-4GHz 70 dB minimum 4-8GHz 65 dB minimum 8-12GHz 60 dB minimum 12-18GHz |
| RF Input Power (Hot Switched) | 1 Watt average |
| RF Input Power (Cold Switched) | 200 Watts average DC-1GHz 100 Watts average 1-4GHz 90 Watts average 4-8GHz 70 Watts average 8-12GHz 60 Watts average 12-18GHz |
| Switching Speed | 15 milliseconds (after command is received and processed) (3 milliseconds typical processing time) |
| Lifetime (each switch) | 1 million operations minimum |
| Manual Control | Keypad and display |
| Remote Control | Ethernet (TCP/IP, 10/100, up to 4 users) RS-232 (9600, 19200, or 38400 Baud) |

--CONTINUED--

SPECIFICATION SHEET

JFW MODEL 50SA-293

SWITCH ASSEMBLY

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

| | |
|-----------------------------|--|
| Remote Commands | Set Switch, Set Switch w/ Response, Set All Switches, Set Multiple Switches, Read Switch, Read All Switches, Pause, Store, Recall, Identification, Disconnect, Close, Change Baud Rate |
| AC Supply | 100-240 VAC @ 47-63 Hz |
| RF Connector | SMA female |
| Operating Temperature Range | 0° to +50° C |
| Physical Size | See outline drawing 092-6961 |



| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
| | 05/05/2011 | | TRS 05/05/2011 | | | | |