SPECIFICATION SHEET

JFW MODEL 50S-2161

1P4T SELF TERMINATING SOLID STATE RF SWITCH

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

Frequency Range 20-8400 MHz

Configuration 1P4T Self Terminating

Impedance 50 Ohms nominal

VSWR 1.30:1 typical 20-4000 MHz

1.50:1 typical 4000-8400 MHz 1.80:1 maximum 20-8400 MHz

Insertion Loss 1.4 dB typical @ 20 MHz

1.8 dB typical @ 2000 MHz 2.2 dB typical @ 4000 MHz 2.7 dB typical @ 6000 MHz

3.9 dB typical @ 8400 MHz 4.5 dB maximum 20-8400 MHz

Isolation 100 dB typical @ 20 MHz

81 dB typical @ 2000 MHz 72 dB typical @ 4000 MHz 69 dB typical @ 6000 MHz 57 dB typical @ 8400 MHz

50 dB minimum 20-8400 MHz

Switching Speed 10 microseconds maximum

7.0 microseconds typical (OFF-ON) 0.3 microseconds typical (ON-OFF)

RF Input Power +26 dBm average (Hot Switchable)

Test Software

(Microsoft .NET 4.0+)
(Windows Vista or greater)

The included ${\tt JFW}$ software allows control of multiple

USB devices.

JFW managed library available for development in user made applications.

DC Supply +5 Vdc @ 10 mA nominal

DC Connector USB MINI-B

6' MINI-B Male to A Male Cable included

RF Connector SMA female

Operating Temperature Range -40°C to +85°C

Storage Temperature Range -55°C to +90°C

Physical Size See outline drawing 092-9889

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