

SPECIFICATION SHEET

JFW MODEL 50S-2162

1P8T SELF TERMINATING SOLID STATE RF SWITCH

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Frequency Range 20-8400 MHz

Configuration 1P8T 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 The included JFW software allows control of multiple
(Microsoft .NET 4.0+) USB devices.
(Windows Vista or greater) 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 092-9890

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