

**SPECIFICATION SHEET**

**JFW MODEL 50S-2000**

**1P2T SELF TERMINATING SOLID STATE RF SWITCH**

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Frequency Range	20-6000 MHz
Configuration	1P2T Self Terminating
Impedance	50 Ohms nominal
VSWR	1.25:1 typical 20-2000MHz 1.50:1 typical 2000-6000MHz 1.80:1 maximum 20-6000MHz
Insertion Loss	1.25 dB typical 20-2000 MHz 1.75 dB typical 2000-6000 MHz 2.50 dB maximum 20-6000 MHz
Isolation	75 dB typical 20-2000 MHz 70 dB typical 2000-4000 MHz 65 dB typical 4000-6000 MHz 55 dB minimum 20-6000 MHz
Switching Speed	10 microseconds maximum 5 microseconds typical (OFF-ON) 2 microseconds typical (ON-OFF) (50% TTL to 10% or 90% RF)
RF Input Power	+26 dBm average (Hot Switchable)
Control	USB control JFW control software included but .dll file and sample code available upon request for self integration into user applications.  JFW control software requires Microsoft .NET framework 4.5
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 092-8115

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