

SPECIFICATION SHEET**JFW MODEL 50S-2143****1P2T SELF TERMINATING SOLID STATE RF SWITCH**

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Frequency Range	20-8400 MHz
Configuration	1P2T Self Terminating
Impedance	50 Ohms nominal
VSWR	1.50:1 typical 20-8400MHz 1.80:1 maximum 20-8400MHz
Insertion Loss	1.60 dB typical 20-3000 MHz 1.75 dB typical 3000-6000 MHz 2.50 dB typical 6000-8400 MHz 3.00 dB maximum 20-8400 MHz
Isolation	75 dB typical 20-3000 MHz 65 dB typical 3000-6000 MHz 60 dB typical 6000-8400 MHz 50 dB minimum 20-8400 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 Logic (1 Line)	TTL "Low" (0-0.8 Vdc) for COM to J1 and J2 Terminated TTL "High" (2.0-5.0 Vdc)for COM to J2 and J1 terminated
DC Supply	+5 Vdc @ 10 mA nominal
DC Connector	4 Pin (MOLEX #22-11-2042) Mating Connector: (MOLEX #22-01-3047)
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 092-6533

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