

SPECIFICATION SHEET**JFW MODEL 50S-2039****1P1T SELF TERMINATING SOLID STATE RF SWITCH**

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Frequency Range	700-6000 MHz
Configuration	1P1T Self Terminating (Terminated on both ends in OFF state)
Impedance	50 Ohms nominal
VSWR	1.6:1 maximum < 1.4:1 typical (thru path) < 1.2:1 typical (self-terminations)
Insertion Loss	3.0 dB maximum 1.72 dB typical @ 700 MHz 2.09 dB typical @ 3000 MHz 2.45 dB typical @ 6000 MHz
Isolation	60 dB minimum 93 dB typical @ 700 MHz 80 dB typical @ 3000 MHz 66 dB typical @ 6000 MHz
Switching Speed (50% TTL to 90% RF) (50% TTL to 10% RF)	10 microseconds maximum 5 microseconds typical (OFF-ON) 2 microseconds typical (ON-OFF)
RF Input Power	+26 dBm average (Hot Switchable)
Control Logic (1 Line)	TTL High for ON (thru path) TTL Low for OFF (self-terminations)
DC Supply	+5 Vdc @ 5 mA maximum (1 mA typical)
RF Connector	SMA female
Operating Temperature Range	-40°C to +85°C
Physical Size	See outline drawing 092-8206

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