

SPECIFICATION SHEET

JFW MODEL 50S-2039

1P1T SELF TERMINATING SOLID STATE RF SWITCH

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Frequency Range 20-6000 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
1.6 dB typical @ 20 MHz
1.7 dB typical @ 700 MHz
2.1 dB typical @ 3000 MHz
2.4 dB typical @ 6000 MHz

Isolation 60 dB minimum
93 dB typical @ 500 MHz
80 dB typical @ 3000 MHz
65 dB typical @ 6000 MHz

Switching Speed 10 microseconds maximum
(50% TTL to 90% RF) 5 microseconds typical (OFF-ON)
(50% TTL to 10% RF) 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
(2 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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