

SPECIFICATION SHEET

JFW MODEL 50S-2064

1P1T SELF TERMINATING SOLID STATE RF SWITCH

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Frequency Range 5-2000 MHz

Configuration 1P1T Self Terminating
(Terminated on Both ends in OFF state)

Impedance 50 Ohms nominal

VSWR 1.3:1 typical / 1.5:1 maximum

Insertion Loss 1.0 dB typical @ 5 MHz
1.0 dB typical @ 500 MHz
1.3 dB typical @ 1000 MHz
1.6 dB typical @ 1500 MHz
2.4 dB typical @ 2000 MHz
2.75 dB maximum 5-2000MHz

Isolation 65 dB typical / 55 dB minimum

Switching Speed 1.5 microseconds maximum (50% TTL to
10% or 90% RF)
1.0usec typical ON (50% TTL to 90%RF)
390nsec typical OFF(50% TTL to 10%RF)

RF Input Power +10 dBm maximum 5-100MHz
+20 dBm maximum 100-2000MHz

Control Logic (1 Line) TTL "Low" (0-0.8Vdc) for OFF and
terminated
TTL "High" (2.0-5.0Vdc) for ON

DC Supply +5Vdc @ 100mA nominal

DC Connector Solder Terminals

RF Connector SMA female

Operating Temperature Range 0° to +70° C

Physical Size See outline drawing 092-837

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