

**SPECIFICATION SHEET**

**JFW MODEL 50S-1915**

**1P2T REFLECTIVE SOLID STATE RF SWITCH**

JFW Industries, Inc.  
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Frequency Range 500-2500 MHz

Configuration 1P2T Reflective

Impedance 50 Ohms nominal

VSWR 1.35:1 typical  
1.50:1 maximum

Insertion Loss 0.40 dB typical at 500MHz  
0.75 dB typical at 2500MHz  
1.00 dB maximum 500-2500MHz

Isolation 60 dB typical at 500MHz  
52 dB typical at 2500MHz  
45 dB minimum 500-2500MHz

Switching Speed 12 microseconds maximum  
10 microseconds typical  
(50% TTL to 10% or 90% RF)

RF Input Power 15 Watts average (Cold switch)  
15 Watts average (Hot switch)

Control (1 line) TTL "Low" (0-0.8Vdc) Common to J1  
TTL "High" (2.0-5.0Vdc) Common to J2

DC Supply +28 Vdc @ 35 mA nominal  
and  
+5 Vdc @ 40 mA nominal

RF Connector SMA female

Operating Temperature Range -20°C to +80°C

Storage Temperature Range -55°C to +85°C

Weight 1.5oz nominal

Physical Size See outline drawing 092-6817

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