

SPECIFICATION SHEET**JFW MODEL 50S-1317+XX-TTL****1P8T NORMALLY OPENED REFLECTIVE
ELECTROMECHANICAL RF SWITCH**JFW Industries, Inc.
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Frequency Range DC-18 GHz

Configuration 1P8T Normally Open Reflective

Impedance 50 Ohms nominal

VSWR 1.20:1 maximum DC-4 GHz
1.30:1 maximum 4-8 GHz
1.40:1 maximum 8-12.4 GHz
1.50:1 maximum 12.4-18 GHz

Insertion Loss 0.20 dB maximum DC-4 GHz
0.30 dB maximum 4-8 GHz
0.40 dB maximum 8-12.4 GHz
0.50 dB maximum 12.4-18 GHz

Isolation 70 dB minimum DC-4 GHz
65 dB minimum 4-8 GHz
60 dB minimum 8-12.4 GHz
60 dB minimum 12.4-18 GHz

Switching Speed 15 milliseconds maximum

RF Input Power 500 Watts average DC-100 MHz
400 Watts average 100-200 MHz
200 Watts average 200-1000 MHz
100 Watts average 1-4 GHz
90 Watts average 4-8 GHz
70 Watts average 8-12.4 GHz
60 Watts average 12.4-18 GHz

DC Supply +XX is either +12, +15, +24 or +28:

+12Vdc @ 285mA nominal (11-14Vdc range)
+15Vdc @ 225mA nominal (13-17Vdc range)
+24Vdc @ 140mA nominal (20-28Vdc range)
+28Vdc @ 120mA nominal (24-32Vdc range)

Control (8 lines) TTL "Low" (0-0.8Vdc) for OFF
TTL "High" (2.4-5.0Vdc) for ON
(Only one port on at a time.)

Lifetime 1 million cycles minimum

DC Connector Solder Terminals

RF Connector SMA female

Operating Temperature Range -25°C to +65°C

Physical Size See outline drawing 092-4188

Add (-NR) for NON-RoHS version. (i.e. 50S-1317+12-TTL-NR SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/13/2008		BAC 02/13/2008				
20710	09/30/2011	A	BAC 09/30/2011				
23086	07/31/2013	B	BAC 07/31/2013				