

**SPECIFICATION SHEET**

**JFW MODEL 50S-1317+XX**

**1P8T NORMALLY OPENED ELECTROMECHANICAL RF SWITCH**

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Frequency Range DC-18 GHz

Configuration 1P8T Normally Open Reflective

Impedance 50 Ohms nominal

VSWR 1.25:1 maximum DC-4GHz  
1.35:1 maximum 4-8GHz  
1.40:1 maximum 8-12GHz  
1.50:1 maximum 12-16GHz  
1.80:1 maximum 16-18GHz

Insertion Loss 0.2 dB maximum DC-4GHz  
0.3 dB maximum 4-8GHz  
0.4 dB maximum 8-12GHz  
0.5 dB maximum 12-16GHz  
0.8 dB maximum 16-18GHz

Isolation 70 dB minimum DC-4GHz  
65 dB minimum 4-8GHz  
60 dB minimum 8-12GHz  
60 dB minimum 12-16GHz  
55 dB minimum 16-18GHz

Switching Speed 15 milliseconds

RF Input Power 100 Watts average DC-4GHz  
70 Watts average 4-8GHz  
60 Watts average 8-12GHz  
50 Watts average 12-16GHz  
45 Watts average 16-18GHz

Control (8 lines) +XX is either +12, +15, or +28:  
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+12Vdc @ 285mA nominal (11-14Vdc range)  
+15Vdc @ 225mA nominal (13-17Vdc range)  
+28Vdc @ 120mA nominal (24-32Vdc range)

DC Connector Solder Terminals

RF Connector SMA female

Operating Temperature Range -20°C to +65°C

Physical Size See outline drawing 092-4188

Add (-NR) for NON-RoHS verion. (I.e. 50S-1317+12-NR SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/10/2007		BAC 07/10/2007				
19957	04/07/2011	A	TRS 04/07/2011				