

SPECIFICATION SHEET

JFW MODEL 50S-1614+XX

**1P8T NORMALLY OPENED SELF TERMINATING
ELECTROMECHANICAL RF SWITCH**

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Frequency Range DC-18 GHz

Configuration 1P8T Normally Open Self Terminating

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 GHz
1.50:1 maximum 12-18 GHz

Insertion Loss 0.20 dB maximum DC-4 GHz
0.30 dB maximum 4-8 GHz
0.40 dB maximum 8-12 GHz
0.50 dB maximum 12-18 GHz

Isolation 80 dB minimum DC-4 GHz
75 dB minimum 4-8 GHz
70 dB minimum 8-12 GHz
60 dB minimum 12-18 GHz

Switching Speed 15 milliseconds

RF Input Power*
(cold switched) 500 Watts average DC-100 MHz
400 Watts average 100-200MHz
300 Watts average 200-500MHz
200 Watts average 500-1000MHz
100 Watts average 1-4 GHz
90 Watts average 4-8 GHz
70 Watts average 8-12 GHz
60 Watts average 12-18 GHz
*2 Watts average for self terminations

Control (8 lines) +XX can be +12, +15, +24 or +28

+12 (11-14)Vdc @ 325 mA nominal
+15 (13-17)Vdc @ 275 mA nominal
+24 (20-28)Vdc @ 175 mA nominal
+28 (24-32)Vdc @ 150 mA nominal

DC Connector Solder Terminals

RF Connector SMA female

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

Lifetime 1 million cycles minimum

Physical Size See outline drawing 092-6827

Add (-NR) for NON-RoHS version. (i.e. 50S-1614+12-NR SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/04/2011		BAC 01/04/2011	33456	07/16/2024	C	TRS 07/16/2024
24842	01/07/2015	A	BAC 01/07/2015				
28937	08/08/2018	B	TRS 08/08/2018				