

SPECIFICATION SHEET

JFW MODEL 50S-1603+XX

**1P2T FAILSAFE SELF TERMINATING ELECTROMECHANICAL
RF SWITCH**

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Frequency Range DC-18 GHz

Configuration 1P2T Failsafe 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 70 dB minimum DC-4 GHz
65 dB minimum 4-8 GHz
60 dB minimum 8-12 GHz
60 dB minimum 12-18 GHz

Switching Speed 20 milliseconds

RF Input Power* 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 (1 line) +XX is either +12,+24 or +28:

+12Vdc @ 450 mA nominal (11-16Vdc)
+24Vdc @ 225 mA nominal (20-28Vdc)
+28Vdc @ 200 mA nominal (24-32Vdc)

Unit if fail-safe NC to COM
+Vdc on control pin for NO to COM

DC Connector Solder Terminals

RF Connector SMA female

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

Lifetime (typical) 5 million operations

Physical Size See outline drawing 092-4831

Add (-NR) for NON-RoHS version. (I.e. 50S-1603+12-NR SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/17/2007		CLK 04/17/2007	24842	01/07/2015	C	BAC 01/07/2015
16223	08/15/2008	A	CLK 08/15/2008				
19017	08/17/2010	B	BAC 08/17/2010				