

SPECIFICATION SHEET**JFW MODEL 50S-1650+XX****1P4T NORMALLY OPENED SELF TERMINATING
ELECTROMECHANICAL RF SWITCH**

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Frequency Range DC-18 GHz

Configuration 1P4T Normally Open Self Terminating

Impedance 50 Ohms nominal

VSWR 1.2:1 maximum DC-4 GHz
1.3:1 maximum 4-8 GHz
1.4:1 maximum 8-12 GHz
1.5:1 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
70 dB minimum 4-8 GHz
65 dB minimum 8-12 GHz
60 dB minimum 12-18 GHz

Switching Speed 15 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 (4 lines)
(Only one active at a time) +XX is either +12,+15,+24 or +28:

+12 Vdc(11-14V) @ 350 mA nominal
+15 Vdc(13-17V) @ 300 mA nominal
+24 Vdc(20-28V) @ 200 mA nominal
+28 Vdc(24-32V) @ 160 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 092-6022

Add (-NR) for NON-RoHS version. (I.e. 50S-1650+12-NR SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	12/12/2008		BAC 12/12/2008	28937	08/08/2018	C	TRS 08/08/2018
17774	10/15/2009	A	BAC 10/15/2009				
24842	01/07/2015	B	BAC 01/07/2015				