

**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
Physical Size	See outline drawing 092-6022
This will print on the left side	Add (-NR) for NON-RoHS verion. (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				
17774	10/15/2009	A	BAC 10/15/2009				
24842	01/07/2015	B	BAC 01/07/2015				