

**SPECIFICATION SHEET**

**JFW MODEL 50S-1316+XX**

**1P6T NORMALLY OPENED ELECTROMECHANICAL RF SWITCH**

JFW Industries, Inc.  
Phone: 317-887-1340  
sales@jfwindustries.com  
www.jfwindustries.com

Frequency Range	DC-18 GHz
Configuration	1P6T Normally Open Reflective
Impedance	50 Ohms nominal
VSWR	1.2:1 maximum DC-4GHz 1.3:1 maximum 4-8GHz 1.4:1 maximum 8-12GHz 1.5:1 maximum 12-18GHz
Insertion Loss	0.2 dB maximum DC-4GHz 0.3 dB maximum 4-8GHz 0.4 dB maximum 8-12GHz 0.5 dB maximum 12-18GHz
Isolation	70 dB minimum DC-4GHz 65 dB minimum 4-8GHz 60 dB minimum 8-12GHz 60 dB minimum 12-18GHz
Switching Speed	20 milliseconds
RF Input Power	400 Watts average DC-200MHZ 300 Watts average 200-500MHZ 200 Watts average 500-1000MHZ 100 Watts average 1-4GHZ 90 Watts average 4-8GHz 70 Watts average 8-12GHz 60 Watts average 12-18GHz
Control (6 lines) (Only one active port at a time.)	+XX is either +12, +15,+24 or +28: ----- +12 Vdc (11-14Vdc) @ 325 mA nominal +15 Vdc (13-17Vdc) @ 280 mA nominal +24 Vdc (20-28Vdc) @ 190 mA nominal +28 Vdc (24-32Vdc) @ 160 mA nominal on control line corresponding to desired port.
Lifetime	1 million cycles minimum
Weight	4 oz. Nominal
DC Connector	Solder Terminals
RF Connector	SMA female

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

Physical Size                              See outline drawing 092-4187



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/18/2005		BAC 08/18/2005	19957	04/07/2011	C	TRS 04/07/2011
14089	04/19/2007	A	BAC 04/19/2007				
17392	07/08/2009	B	BAC 07/08/2009				