

SPECIFICATION SHEET**JFW MODEL 50S-1315+XX****1P4T NORMALLY OPENED ELECTROMECHANICAL RF SWITCH**

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

Frequency Range	DC-18 GHz
Configuration	1P4T Normally Open Reflective
Impedance	50 Ohms nominal
VSWR	1.20:1 maximum DC-4GHz 1.30:1 maximum 4-8GHz 1.40:1 maximum 8-12GHz 1.50:1 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-200 MHz 300 Watts average 200-500 MHz 200 Watts average 500-1000 MHz 100 Watts average 1-4 GHz 90 Watts average 4-8 GHz 70 Watts average 8-12 GHz 60 Watts average 12-18 GHz
Control (4 lines) (Only one active port at a time.)	+XX is either +12,+15,+24 or +28: ----- +12 Vdc (11-14 Vdc) @ 325 mA nominal +15 Vdc (13-17 Vdc) @ 280 mA nominal +24 Vdc (20-28 Vdc) @ 190 mA nominal +28 Vdc (24-32 Vdc) @ 160 mA nominal
DC Connector	Solder Terminals
RF Connector	SMA female
Lifetime	1 million cycles minimum
Operating Temperature Range	-20°C to +65°C
Weight	4 oz nominal

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Physical Size

See outline drawing 092-4186



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/18/2005		BAC 08/18/2005				
17259	05/28/2009	A	BAC 05/28/2009				
19957	04/07/2011	B	TRS 04/07/2011				