

SPECIFICATION SHEET**JFW MODEL 50S-1315+XX-TTL****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
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
DC Supply	+XX is either +12 or +28: ----- +12 Vdc @ 325 mA nominal OR +28 Vdc @ 160 mA nominal
Control (4 lines)	TTL "high" on line corresponding to desired port. TTL "low" on other three lines. (Only one active line)
DC Connector	Solder Terminals
RF Connector	SMA female
Lifetime	1 million cycles minimum

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

Weight 4 oz nominal

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				