

SPECIFICATION SHEET**JFW MODEL 50S-1313+XX-TTL****1P2T FAILSAFE ELECTROMECHANICAL RF SWITCH**

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

Frequency Range	DC-18 GHz
Configuration	1P2T Failsafe
Impedance	50 Ohms nominal
VSWR	1.10:1 maximum DC-1GHz 1.15:1 maximum 1-4GHz 1.20:1 maximum 4-8GHz 1.30:1 maximum 8-12GHz 1.35:1 maximum 12-18GHz
Insertion Loss	0.10 dB maximum DC-1GHz 0.15 dB maximum 1-4GHz 0.20 dB maximum 4-8GHz 0.30 dB maximum 8-12GHz 0.35 dB maximum 12-18GHz
Isolation	85 dB minimum DC-1GHz 80 dB minimum 1-4GHz 70 dB minimum 4-8GHz 65 dB minimum 8-12GHz 60 dB minimum 12-18GHz
Switching Speed	15 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
DC Supply	+XX is either +12, +15 or +28: ----- +12 Vdc @ 200 mA nominal OR +15 Vdc @ 200 mA nominal OR +28 Vdc @ 100 mA nominal
Control (1 line)	TTL "low" for COM to NC TTL "high" for COM to NO

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Lifetime	1 million cycles minimum
Weight	2.5 oz. Nominal
DC Connector	Solder terminals
RF Connector	SMA female
Operating Temperature Range	-25°C to +65°C
Physical Size	See outline drawing 092-4496



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/18/2005		BAC 08/18/2005				
12568	03/24/2006	A	BAC 03/24/2006				