

SPECIFICATION SHEET**JFW MODEL 50S-1313****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
Control	+12 Vdc @ 200 mA nominal for COM to N.O. (Failsafe COM to N.C.)
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

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Physical Size

See outline drawing 092-4496



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/02/2003		BAC 04/02/2003				
4454	02/04/2004	A	CLV 02/04/2004				
4634	06/11/2004	B	CLV 06/11/2004				