

SPECIFICATION SHEET

JFW MODEL 50S-3002+XX

**1P2T FAILSAFE SELF TERMINATING ELECTROMECHANICAL
RF SWITCH**

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

Frequency Range	DC-26.5 GHz
Configuration	1P2T Failsafe Self Terminating
Impedance	50 Ohms nominal
VSWR	1.15:1 maximum DC-4 GHz 1.20:1 maximum 4-8 GHz 1.30:1 maximum 8-12 GHz 1.35:1 maximum 12-18 GHz 1.50:1 maximum 18-26.5 GHz
Insertion Loss	0.15 dB maximum DC-4 GHz 0.20 dB maximum 4-8 GHz 0.30 dB maximum 8-12 GHz 0.35 dB maximum 12-18 GHz 0.50 dB maximum 18-26.5 GHz
Isolation	80 dB minimum DC-4 GHz 70 dB minimum 4-8 GHz 65 dB minimum 8-12 GHz 60 dB minimum 12-18 GHz 55 dB minimum 18-26.5 GHz
Switching Speed	15 milliseconds
RF Input Power*	500 Watts average DC-100 MHz 400 Watts average 100-200MHz 300 Watts average 200-500MHz 200 Watts average 500-1000MHz 100 Watts average 1-4 GHz 90 Watts average 4-8 GHz 70 Watts average 8-12 GHz 60 Watts average 12-18 GHz 45 Watts average 18-26.5 GHz
	*2 Watts average for self terminations
Control (1 line)	+XX is either +12,+24 or +28: ----- +12Vdc @ 450 mA nominal (11-16Vdc) +24Vdc @ 225 mA nominal (20-28Vdc) +28Vdc @ 200 mA nominal (24-32Vdc) Unit if fail-safe NC to COM +Vdc on control pin for NO to COM
DC Connector	Solder Terminals
RF Connector	SMA female

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Operating Temperature Range -25°C to +65°C

Lifetime (typical) 5 million operations

Physical Size See outline drawing 092-4831

Add (-NR) for NON-RoHS version. (I.e. 50S-3002+12-NR SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/10/2017		BAC 03/10/2017				