

SPECIFICATION SHEET**JFW MODEL 50S-1361+XX****FAILSAFE TRANSFER ELECTROMECHANICAL RF SWITCH**

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

Frequency Range	DC-18 GHz
Configuration	Failsafe Transfer Switch (Failsafe J1 to J3 and J2 to J4)
Impedance	50 Ohms nominal
VSWR	1.10:1 maximum DC-1 GHz 1.20:1 maximum 1-4 GHz 1.30:1 maximum 4-8 GHz 1.40:1 maximum 8-12 GHz 1.50:1 maximum 12-18 GHz
Insertion Loss	0.10 dB maximum DC-1 GHz 0.20 dB maximum 1-4 GHz 0.30 dB maximum 4-8 GHz 0.40 dB maximum 8-12 GHz 0.50 dB maximum 12-18 GHz
Isolation	85 dB minimum DC-1 GHz 80 dB minimum 1-4 GHz 70 dB minimum 4-8 GHz 65 dB minimum 8-12 GHz 60 dB minimum 12-18 GHz
Switching Speed	20 milliseconds
RF Input Power (cold switched)	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

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Control (1 line)

+XX is either +12,+15,+24 or +28:
-----+12 Vdc (11-14Vdc) @ 360 mA nominal for
(J1 to J2) and (J3 to J4).

OR

+15 Vdc (13-17 Vdc) @ 285 mA nominal for
(J1 to J2) and (J3 to J4).

OR

+24 Vdc (20-28 Vdc) @ 190 mA nominal for
(J1 to J2) and (J3 to J4).

OR

+28 Vdc (24-32 Vdc) @ 135 mA nominal for
(J1 to J2) and (J3 to J4).

DC Connector

Solder Terminals

RF Connector

SMA female

Lifetime (typical)

1 million cycles minimum

Operating Temperature Range

-20°C to +65°C

Storage Temperature Range

-40°C to +85° C

Weight

4 oz nominal

Physical Size

See outline drawing 092-4375

Add (-NR) for NON-RoHS verion. (i.e. 50S-1361+12-NR SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/18/2005		BAC 08/18/2005	33456	07/16/2024	C	TRS 07/16/2024
17140	04/28/2009	A	BAC 04/28/2009				
21435	04/04/2012	B	BAC 04/04/2012				