SPECIFICATION SHEET

JFW MODEL 50S-1361+XX-TTL

FAILSAFE TRANSFER ELECTROMECHANICAL RF SWITCH

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

Frequency Range	DC-18 GHz
Configuration	Failsafe Transfer Switch
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	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,+15,+24 or +28: ---------- +12 Vdc(11-14Vdc) @ 360 mA nominal +15 Vdc(14-17Vdc) @ 280 mA nominal +24 Vdc(20-28Vdc) @ 190 mA nominal +28 Vdc(24-32Vdc) @ 150 mA nominal
Control (1 line)	TTL "Low" (0-0.8Vdc)for (J1 to J3) and (J2 to J4) TTL "High"(2.0-5.5Vdc) for (J1 to J2) and (J3 to J4) TTL current ±1.3mA maximum

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DC Connector	Solder Terminals
RF Connector	SMA female
Lifetime (typical)	1 million cycles minimum
Operating Temperature Range	-20°C to +65°C
Weight	4 oz nominal
Physical Size	See outline drawing 092-4375

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

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/18/2005		BAC 08/18/2005				
14126	05/01/2007	A	BAC 05/01/2007				
17644	09/02/2009	B	BAC 09/02/2009				