

SPECIFICATION SHEET**JFW MODEL 50S-1360+XX-TTL****1P3T NORMALLY OPENED REFLECTIVE
ELECTROMECHANICAL RF SWITCH**

JFW Industries, Inc.
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Frequency Range	DC-18 GHz
Configuration	1P3T Normally Open Reflective
Impedance	50 Ohms nominal
VSWR	1.2:1 maximum DC-4 GHz 1.3:1 maximum 4-8 GHz 1.4:1 maximum 8-12 GHz 1.5:1 maximum 12-18 GHz
Insertion Loss	0.20 dB maximum DC-4 GHz 0.30 dB maximum 4-8 GHz 0.40 dB maximum 8-12 GHz 0.50 dB maximum 12-18 GHz
Isolation	70 dB minimum DC-4 GHz 65 dB minimum 4-8 GHz 60 dB minimum 8-12 GHz 60 dB minimum 12-18 GHz
Switching Speed	20 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,+24 or +28: ----- +12 Vdc(11-14Vdc) @ 325 mA nominal +15 Vdc(14-17Vdc) @ 280 mA nominal +24 Vdc(20-28Vdc) @ 190 mA nominal +28 Vdc(24-32Vdc) @ 160 mA nominal
Control (3 lines) (Only one active line)	TTL "high" (2.0-5.5Vdc) on line corresponding to desired port. TTL "low"(0-0.8Vdc) on other two lines. TTL current ± 1.3 mA maximum
Lifetime	1 million cycles minimum
Weight	4 oz. Nominal

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DC Connector Solder Terminals

RF Connector SMA female

Operating Temperature Range -20° to +65° C

Physical Size See outline drawing 092-4327

Add (-NR) for NON-RoHS version. (I.e. 50S-1360+XX-TTL-NR SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/18/2005		BAC 08/18/2005	19957	04/07/2011	C	TRS 04/07/2011
14126	05/01/2007	A	BAC 05/01/2007				
17644	09/02/2009	B	BAC 09/02/2009				