

**SPECIFICATION SHEET**

**JFW MODEL 50S-1075**

**1P4T SELF TERMINATING SOLID STATE RF SWITCH**

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

Frequency Range	20-4300 MHz
Configuration	1P4T Self Terminating
Impedance	50 Ohms nominal
VSWR	1.5:1 maximum
Insertion Loss	2 dB maximum 20-1000 MHz 4 dB maximum 1000-4300 MHz
Isolation	75 dB minimum 20-1000 MHz 65 dB minimum 1000-2000 MHz 55 dB minimum 2000-4300 MHz
Switching Speed	10 microseconds
RF Input Power	+20 dBm average 20-100 MHz +30 dBm average 100-4300 MHz
Control Logic (4 Lines)	TTL Low for OFF and internally terminated in 50 Ohms  TTL High for ON [i.e. C1 High for J1-J5 (common)]
DC Supply	+24 Vdc @ 150 ma nominal and +5 Vdc @ 100 mA nominal
RF Connector	SMA female
Operating Temperature Range	0°C to +70°C
Storage Temperature Range	-55°C to +90°C
Physical Size	See outline drawing 092-3320

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/23/1999			3018	06/06/2002	C	
2283	02/09/2000	A		4527	03/15/2004	E	CLV 03/15/2004
2819	11/05/2001	B		9999	01/21/2003	D	