

**SPECIFICATION SHEET**  
**JFW MODEL 50S-1035**  
**1P4T SOLID STATE RF SWITCH**

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Frequency Range	20-4300 MHz
Configuration	1P4T
Impedance	50 Ohms nominal
VSWR	1.5:1 maximum
Insertion Loss	2 dB maximum 20-1000 MHz 4 dB maximum 1000-4300 MHz
Isolation	80 dB minimum 20-1000 MHz 70 dB minimum 1000-2000 MHz 60 dB minimum 2000-4000 MHz 55 dB minimum 4000-4300 MHz
Switching Speed	20 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 reflective  TTL High for ON [i.e. Control 1 High for J1-J5 (common)]
DC Supply	+24 Vdc @ 50 mA
DC Connector	DE-9P
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 092-2847

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/24/1998			4525	03/15/2004	C	CLV 03/15/2004
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