

**SPECIFICATION SHEET**  
**JFW MODEL 50S-1163**  
**1P2T SOLID STATE RF SWITCH**

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Frequency Range	20-4300 MHz
Configuration	1P2T
Impedance	50 Ohms nominal
VSWR	1.5:1 maximum
Insertion Loss	1.5 dB maximum 20-1000 MHz 3.0 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 (2 Lines)	TTL Low for OFF and reflective  TTL High for ON [(i.e. C1 High for J1-J3 (common)]
DC Supply	+24 Vdc @ 50 mA
DC Connector	"D" Subminiature 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 092-3506

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/21/2000			11759	08/24/2005	C	BAC 08/24/2005
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4092	01/21/2003	B	CLV 01/21/2003				