

**SPECIFICATION SHEET**

**JFW MODEL 50S-1972**

**1P8T SELF TERMINATING SOLID STATE RF SWITCH**

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Frequency Range	5-3000 MHz
Configuration	1P8T Self Terminating
Impedance	50 Ohms nominal
VSWR	1.3:1 typical 5-3000MHz 1.5:1 maximum 5-3000MHz
Insertion Loss	2.5 dB typical 5-3000MHz 3.5 dB maximum 5-3000MHz
Isolation	80 dB minimum 5-1000 MHz 70 dB minimum 1000-2000 MHz 60 dB minimum 2000-3000 MHz
Switching Speed	10 microseconds (50% TTL to 10% or 90% RF)
RF Input Power	+10 dBm average 5-20MHz +20 dBm average 20-100 MHz +30 dBm average 100-3000 MHz
Control Logic (4 Lines)	Binary coded per 092-3658 TTL "High" (2.0-5.0V) TTL "Low" (0-0.8V)
DC Supply	+5 Vdc @ 100 mA nominal and +24 Vdc @ 300 mA nominal
Repeatability	± 0.05 dB typical
MTBF	226,017 hours
DC Connector	10 Pin 3M #3793-5303 (mates with 3M #3473-7010)
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 092-3658

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/19/2012		BAC 03/19/2012	24968	02/19/2015	C	TRS 02/19/2015
21673	06/21/2012	A	CLK 06/21/2012				
24944	02/17/2015	B	TRS 02/17/2015				