

SPECIFICATION SHEET

JFW MODEL 50S-1720

1P2T SELF TERMINATING SOLID STATE RF SWITCH

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

Frequency Range	0.5-18 GHz
Configuration	1P2T Self Terminating
Impedance	50 Ohms nominal
VSWR	1.4:1 typical 0.5-4GHz 1.6:1 typical 4-18GHz 1.9:1 maximum 0.5-18GHz
Insertion Loss	1.5 dB typical 0.5-8GHz 2.0 dB typical 8-18GHz 2.8 dB maximum 0.5-18GHz
Isolation	80 dB typical 0.5-8GHz 60 dB typical 8-18GHz 50 dB minimum 0.5-18GHz
Switching Speed (50% TTL to 10% or 90% RF)	100 nanoseconds maximum 50 nanoseconds typical
RF Input Power	+20 dBm maximum
Control Logic (1 Line)	TTL "Low" (0-0.8V) for J1 to J2 TTL "High" (2.0-5.0V) for J1 to J3
DC Supplies	+5 Vdc @ 80 mA nominal and -12 Vdc @ 80 mA nominal
DC Connector	Solder Terminals
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 092-7150

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/22/2012		BAC 02/22/2012				
23357	10/09/2013	A	TRS 10/09/2013				