

**SPECIFICATION SHEET**

**JFW MODEL 50S-2040**

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

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Frequency Range	20-100 MHz
Configuration	1P4T Self Terminating
Impedance	50 Ohms nominal
VSWR	1.30:1 maximum (all conditions)
Insertion Loss	0.4 dB maximum
Isolation	55 dB minimum
Switching Speed	5 microseconds (OFF to On) 8 microseconds (ON to OFF) (50% TTL to 10% or 90% RF)
RF Input Power*	20 Watts average (cold switch)
Control Logic (4 Lines)	TTL "High" (2.0-5.0V) for "ON" TTL "Low" (0-0.8V) for "OFF" and internally terminated in 50 Ohms
DC Supply	+15 Vdc @ 400 mA nominal and +5 Vdc @ 150 mA nominal
RF Connector	SMA female
Operating Temperature Range	0°C to +70°C
Storage Temperature Range	-55°C to +85°C
Phase Delay	+15 ± 10° @ 20 MHz -25 ± 10° @ 100 MHz
Physical Size	See outline drawing 092-1886

\* 20 Watts average at a maximum case temperature of 85°C.

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