SPECIFICATION SHEET

JFW MODEL 50S-1782

1P3T SELF TERMINATING SOLID STATE RF SWITCH

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Frequency Range	0.5-18 GHz
Configuration	1P3T Self Terminating
Impedance	50 Ohms nominal
VSWR	1.4:1 typical 0.5-4GHz 1.7:1 typical 4-18GHz 2.0:1 maximum 0.5-18GHz
Insertion Loss	1.9 dB typical 0.5-8GHz 2.6 dB typical 8-18GHz 3.0 dB maximum 0.5-18GHz
Isolation	80 dB typical 0.5-8GHz 70 dB typical 8-18GHz 65 dB minimum 0.5-18GHz
Switching Speed (50% TTL to 10% or 90% RF)	100 nanoseconds maximum 50 nanoseconds typical
RF Input Power	+27 dBm maximum
3rd Order Intercept Point	+45dBm minimum
Control Logic (3 Lines) (1 line per port)	TTL "Low" (0-0.8V) for Insertion Loss (only one port active at a time) TTL "High" (2.0-5.0V) for OFF and Terminated
DC Supplies	+5 ±0.3 Vdc @ 120 mA nominal and -12 to -15 Vdc @ 40 mA nominal
DC Connector	Solder Terminals
RF Connector	SMA female
Operating Temperature Range	-55°C to +85°C
Storage Temperature Range	-65°C to +125°C
Weight	36 grams nominal
Physical Size	See outline drawing 092-8412

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