

**SPECIFICATION SHEET**  
**JFW MODEL 50S-1801**  
**1P4T SOLID STATE RF SWITCH**

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Frequency Range	30-512 MHz
Configuration	1P4T
Impedance	50 Ohms nominal
VSWR	1.4:1 maximum
Insertion Loss	0.40 dB typical 30-100MHz 0.60 dB typical 100-512MHz 0.75 dB maximum 30-512MHz
Isolation	50 dB minimum
Switching Speed	20 microseconds (50% TTL to 10% or 90% RF)  40 microseconds (50% TTL to specified isolation)
RF Input Power	200 Watts average (Cold switch) 500 Watts peak (1 usec pulse)  20 Watts average Hot switch
Control Logic (3 Lines)	TTL per 092-5238 TTL "Low" = (0-0.8Vdc) TTL "High" = (2.0-5.0Vdc)
DC Supply	+15 Vdc @ 450 mA nominal and +5 Vdc @ 175 mA nominal
RF Connector	SMA, TNC or N female
DC Connector	solder terminals
Operating Temperature Range	-20°C to +70°C
Storage Temperature Range	-55°C to +85°C
Physical Size	See outline drawing 092-5238

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