

**SPECIFICATION SHEET**  
**JFW MODEL 50S-1559**  
**1P2T SOLID STATE RF SWITCH**

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Frequency Range	20-1000 MHz
Configuration	1P2T
Impedance	50 Ohms nominal
VSWR	1.4:1 maximum
Insertion Loss	0.50 dB maximum 20-500 MHz 0.75 dB maximum 500-1000 MHz
Isolation	50 dB minimum 20-500 MHz 40 dB minimum 500-1000 MHz
Switching Speed	40 microseconds (50% TTL to 10% or 90% RF)
RF Input Power	150 Watts average (Cold switch) 50 Watts average (Hot Switch)
Control (1 line)	TTL "Low" Common to J1 TTL "High" Common to J2
DC Supply	+15 Vdc @ 250 mA nominal and +5 Vdc @ 40 mA nominal
RF Connector	BNC, SMA, TNC or N female
Operating Temperature Range	-20°C to +70°C
Storage Temperature Range	-55°C to +85°C
Physical Size	See outline drawing 092-3022

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