

SPECIFICATION SHEET
JFW MODEL 50S-1872
1P2T SOLID STATE RF SWITCH

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Frequency Range	20-500 MHz
Configuration	1P2T
Impedance	50 Ohms nominal
VSWR	1.20:1 typical 1.30:1 maximum
Insertion Loss	0.20 dB typical @ 20MHz 0.40 dB typical @ 500MHz 0.60 dB maximum 20-500MHz
Isolation	65 dB typical @ 20MHz 55 dB typical @ 500MHz 50 dB minimum 20-500MHz
Switching Speed	10 microseconds maximum 6 microseconds typical (50% TTL to 10% or 90% RF)
RF Input Power	5 Watts average (Cold switch) 5 Watts average (Hot switch)
Control (1 line)	TTL "Low" (0-0.8Vdc) Common to J1 TTL "High" (2.0-5.0Vdc) Common to J2
DC Supply	+28 Vdc @ 70 mA nominal and +5 Vdc @ 40 mA nominal
RF Connector	SMA female
Operating Temperature Range	-20°C to +75°C
Storage Temperature Range	-55°C to +85°C
Weight	1.3oz
Physical Size	See outline drawing 092-6346

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