

SPECIFICATION SHEET

JFW MODEL 50S-1872

1P2T REFLECTIVE SOLID STATE RF SWITCH

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Frequency Range	20-500 MHz
Configuration	1P2T Reflective
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 (+24-30V) @ 70 mA nominal and +5 Vdc (+4.8-5.2V) @ 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

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/30/2010		BAC 03/30/2010	23437	11/05/2013	C	BAC 11/05/2013
18859	07/08/2010	A	BAC 07/08/2010				
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