

SPECIFICATION SHEET

JFW MODEL 50S-1505

1P2T REFLECTIVE SOLID STATE RF SWITCH

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Frequency Range	20-2500 MHz
Configuration	1P2T Reflective
Impedance	50 Ohms nominal
VSWR	1.4:1 maximum
Insertion Loss	0.3 dB typical 20-1000MHz 0.7 dB maximum 20-1000MHz 0.5 dB typical 1000-2000MHz 1.0 dB maximum 1000-2000MHz 1.0 dB typical 2000-2500MHz 1.5 dB maximum 2000-2500MHz
Isolation	50 dB typical 20-1000MHz 45 dB minimum 20-1000MHz 40 dB typical 1000-2500MHz 35 dB minimum 1000-2500MHz
Switching Speed	10 microseconds (50% TTL to 10% or 90% RF)
RF Input Power	25 Watts average (cold switch) 200 Watts peak at 1usec pulse
Control Logic (1 Line)	TTL Low for Common to J1 TTL High for Common to J2
DC Supply	+12Vdc to +15Vdc @ 80 mA nominal and +5Vdc @ 40 mA nominal
DC Connector	Solder Terminals
RF Connector	SMA, TNC or N female
Operating Temperature Range	-20° to +70° C
Physical Size	See outline drawing 092-3022 (N) 092-5245 (SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/31/2006		BAC 07/31/2006	27653	03/21/2017	C	BAC 03/21/2017
15623	03/31/2008	A	BAC 03/31/2008	28028	08/15/2017	D	TRS 08/15/2017
23795	03/03/2014	B	BAC 03/03/2014				