

SPECIFICATION SHEET

JFW MODEL 50S-1841

1P2T REFLECTIVE SOLID STATE RF SWITCH

JFW Industries, Inc.
Phone: 317-887-1340
sales@jfwindustries.com
www.jfwindustries.com

Frequency Range	500-3000 MHz
Configuration	1P2T Reflective
Impedance	50 Ohms nominal
VSWR	1.3:1 typical 1.5:1 maximum
Insertion Loss	0.60 dB typical 500-1000 MHz 0.80 dB maximum 500-1000 MHz 0.80 dB typical 1000-2000 MHz 1.00 dB maximum 1000-2000 MHz 1.20 dB typical 2000-3000 MHz 1.35 dB maximum 2000-3000 MHz
Isolation	75 dB typical 500-2000 MHz 65 dB minimum 500-2000 MHz 65 dB typical 2000-3000 MHz 55 dB minimum 2000-3000 MHz
Switching Speed	10 microseconds maximum 6 microseconds typical (50% TTL to 10% or 90% RF)
Switching Transients	< 1.0 Vpk-pk typical < 2.0 Vpk-pk maximum (for any rep rate)
RF Input Power	30 Watts average (Hot Switched)
Spurious Noise (Out-of-band)	This switch shall produce: < -73dBm (100-500MHz) < -50dBm (1-100MHz) This is to be tested on the common port with J1 and J2 terminated into 50 Ohms.
Control (1 line)	TTL "Low" Common to J1 TTL "High" Common to J2
DC Supply	+15 Vdc @ 80 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 092-5197

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	08/14/2009		BAC 08/14/2009				
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