SPECIFICATION SHEET

JFW MODEL 50S-2145

1P8T SELF TERMINATING SOLID STATE RF SWITCH

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

Frequency Range	20-8400 MHz
Configuration	1P8T Self Terminating
Impedance	50 Ohms nominal
VSWR	1.3:1 typical 20-4000MHz 1.5:1 typical 4000-8400MHz 1.8:1 maximum 20-8400MHz
Insertion Loss	1.4 dB typical @ 20 MHz 1.8 dB typical @ 2000 MHz 2.2 dB typical @ 4000 MHz 2.7 dB typical @ 6000 MHz 3.9 dB typical @ 8400 MHz 4.5 dB maximum 20-8400 MHz
Isolation	110 dB typical @ 20 MHz 81 dB typical @ 2000 MHz 72 dB typical @ 4000 MHz 69 dB typical @ 6000 MHz 57 dB typical @ 8400 MHz 50 dB minimum 20-8400MHz
Switching Speed	10 microseconds maximum 7.0 usec typical OFF to ON 0.3 usec typical ON to OFF (50% TTL to 10% or 90% RF)
RF Input Power	+26 dBm maximum (all ports)
TTL Control Logic (4 Lines)	Binary Coded TTL Lines
	C1 C2 C3 C4 Path
	0 0 0 0 = COM to J1 1 0 0 0 = COM to J2 0 1 0 0 = COM to J3 1 1 0 0 = COM to J4 0 0 1 0 = COM to J5 1 0 1 0 = COM to J6 0 1 1 0 = COM to J7 1 1 1 0 = COM to J8 0 0 0 1 = All Ports OFF
DC Supply	+5 Vdc @ 2.7mA nominal
DC Connector	MOLEX #22-11-2062
	(Recommended Mating Connector = Molex #22-01-3067 with Molex #08-56-0109 contacts)

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Page 1 of 2 JFW FORM E-7-F REV F

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RF Connector SMA female

Operating Temperature Range -40C to +85C

Storage Temperature Range -55C to +90C

Mounting This switch can be mounted flat, on edge or

panel mounted

See drawing 092-9740-01 for recommended panel

mounting patten

Physical Size See outline drawing 092-9740



Page 2 of 2 JFW FORM E-7-F REV F