

SPECIFICATION SHEET**JFW MODEL 50S-1584****1P16T SELF TERMINATING SOLID STATE RF SWITCH**

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

Frequency Range 20-4300 MHz

Configuration 1P16T Self Terminating

Impedance 50 Ohms nominal

VSWR 1.40:1 Typical
1.70:1 Maximum

Insertion Loss 2.5dB Typical 20-1000MHz
3.5dB Maximum 20-1000MHz
3.5dB Typical 1000-3000MHz
4.5dB Maximum 1000-3000MHz
4.5dB Typical 3000-4300MHz
5.5dB Maximum 3000-4300MHz

Isolation 60dB Minimum 20-1000MHz
50dB Minimum 1000-4300MHz

Switching Speed 15 microseconds maximum

RF Input Power +20 dBm

Control Logic (5 Lines) Binary coded TTL (See example below)

(C1-C2-C3-C4-C5)
(0 0 0 0 0) for all off
(1 0 0 0 0) for J1 to common
(0 1 0 0 0) for J2 to common
(1 1 0 0 0) for J3 to common
.
.
(0 0 0 0 1) for J16 to common

DC Supply +5Vdc @ 200 mA nominal
and
+24Vdc @ 220 mA nominal

DC Connector 10 Pin Connector
(3M#3793-5305)

RF Connector SMA female

Operating Temperature Range 0° to +70° C

Physical Size See outline drawing 092-5742

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/18/2008		BAC 03/18/2008				
16553	11/25/2008	A	BAC 11/25/2008				
31307	08/20/2021	B	TRS 08/20/2021				