

SPECIFICATION SHEET

JFW MODEL 75S-400

1P8T SELF TERMINATING SOLID STATE RF SWITCH

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

Frequency Range 5-3000 MHz

Configuration 1P8T Self Terminating

Impedance 75 Ohms nominal

VSWR 1.30:1 typical 5-1000MHz
1.45:1 typical 1000-3000MHz
1.60:1 maximum 5-3000MHz

Insertion Loss 1.5 dB typical 5-1000MHz
2.0 dB typical 1000-2000MHz
3.5 dB typical 2000-3000MHz
3.9 dB maximum 5-3000MHz

Isolation 80 dB typical 5-1000MHz
70 dB typical 1000-2000MHz
60 dB typical 2000-3000MHz
55 dB minimum 5-3000MHz

Switching Speed 10 microseconds (50% TTL to 10% or 90% RF)

RF Input Power +10 dBm average 5-100MHz
+20 dBm average 100-3000MHz

Control Logic (8 Lines) TTL "Low" (0-0.8V) for OFF and internally terminated in 75 Ohms

TTL "High" (2.0-5.0V) for ON [i.e. C1 High for J1-J9(common)]

(Only one port can be active at a time, One control line TTL "high", all other seven TTL "low")

DC Supply +12 Vdc @ 280 mA nominal

RF Connector F female

Operating Temperature Range 0°C to +70°C

Storage Temperature Range -55°C to +90°C

Physical Size See outline drawing 092-6967

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/10/2022		BAC 03/10/2022				
32410	02/16/2023	A	BAC 02/16/2023				