

**SPECIFICATION SHEET**

**JFW MODEL 50P-1893**

**SOLID STATE PROGRAMMABLE ATTENUATOR**

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

Frequency Range	30-3000 MHz
Impedance	50 Ohms nominal
Attenuation Range	0-63 dB in 1 dB steps
Attenuation Steps	1, 2, 4, 8, 16 and 32 dB
VSWR	1.8:1 maximum 30-800 MHz 1.5:1 maximum 800-3000 MHz
Attenuation Accuracy (guaranteed monotonic)	± 0.2 dB 1-7 dB ± 0.5 dB or 2% 8-63 dB (whichever is greater)
Insertion Loss	4.0 dB maximum 2.5 dB typical @ 30 MHz 3.7 dB typical @ 3000 MHz
RF Input Power	+20 dBm (operating) +25 dBm (no damage)
Switching Speed	1 microsecond maximum 0.7 microseconds typical
DC Supply	+5Vdc @ 50mA nominal
Control Logic (6 Lines)	TTL Low for Thru Path TTL High for Attenuation
DC Connector	T&B #609-1007
RF Connector	SMA female
Operating Temperature Range	0°C to +70°C
Physical Size	See outline drawing 092-5748-03

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/25/2009		CLK 11/25/2009				
18194	01/26/2010	A	CLK 01/26/2010				