

SPECIFICATION SHEET

JFW MODEL 50P-1897

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	0-95 dB in 1 dB steps
Attenuation Steps	1, 2, 4, 8, 16, 32 and 32 dB
VSWR	2.2:1 maximum 30-800 MHz 1.6:1 maximum 800-3000 MHz
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 3% 12-95 dB (whichever is greater)
Insertion Loss	6.0 dB maximum 3.5 dB typical @ 30 MHz 4.2 dB typical @ 800 MHz 5.5 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 (7 Lines)	TTL Low for Thru Path TTL High for Attenuation
DC Connector	T&B #609-1007
RF Connector	SMA female
Operating Temperature Range	-40°C to +85°C
Physical Size	See outline drawing 092-6246

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/24/2010		CLK 05/24/2010				
19796	03/03/2011	A	CLK 03/03/2011				
20539	09/07/2011	B	CLK 09/07/2011				