

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 2.0:1 maximum 30-700 MHz
1.6:1 maximum 700-3000 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 5 dB maximum
2.7 dB typical @ 30 MHz
3.2 dB typical @ 700 MHz
4.5 dB typical @ 3000 MHz

RF Input Power +27 dBm (operating)
+33 dBm (no damage)

Switching Speed 4 microseconds maximum
0.7 microseconds typical

DC Supply +5Vdc @ 2mA nominal

Control Logic (7 Lines) TTL Low for Thru Path
TTL High for Attenuation

DC Connector 3M #D2510-6002
(Mating Connector 3M #3473-6610)

RF Connector SMA female

Operating Temperature Range -40°C to +85°C

Physical Size See outline drawings:
092-7425-03 (SMA)
092-7425-04 (SMA M/F)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/24/2010		CLK 05/24/2010	22504	02/11/2013	C	CLK 02/11/2013
19796	03/03/2011	A	CLK 03/03/2011	28156	10/05/2017	D	CLK 10/05/2017
20539	09/07/2011	B	CLK 09/07/2011	29124	11/06/2018	E	CLK 11/06/2018