

SPECIFICATION SHEET

JFW MODEL 50P-2061

SOLID STATE PROGRAMMABLE ATTENUATOR

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

Frequency Range	0.1-18 GHz
Impedance	50 Ohms nominal
Attenuation Range	0-31 dB in 1 dB steps
Attenuation Steps	1, 2, 4, 8 and 16 dB
VSWR	2.0:1 maximum < 1.5:1 typical
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB 1-8 dB ± 0.75 dB 9-15 dB ± 1.00 dB or 5% 16-31 dB (whichever is greater)
Insertion Loss	6.2 dB maximum 1.9 dB typical @ 0.1 GHz 2.9 dB typical @ 3 GHz 3.5 dB typical @ 6 GHz 4.8 dB typical @ 12.4 GHz 5.7 dB typical @ 18 GHz
RF Input Power	+20 dBm (operating) +25 dBm (no damage) Warning: DC voltage not allowed on RF connections
Switching Speed	1 microsecond maximum 0.7 microseconds typical
DC Supply	+5Vdc @ 5mA nominal
Control Logic (6 Lines)	TTL Low for Thru Path TTL High for Attenuation
DC Connector	3M #D2510-6002 (Mating Connector 3M #3473-6610)
RF Connector	SMA
Operating Temperature Range	-40°C to +85°C
Physical Size	See outline drawing 092-8882

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	07/27/2017		CLK 07/27/2017	29152	11/13/2018	C	CLK 11/13/2018
28749	05/14/2018	A	CLK 05/14/2018	29166	11/16/2018	D	TRS 11/16/2018
29124	11/06/2018	B	CLK 11/06/2018				