

**SPECIFICATION SHEET**  
**JFW MODEL 50P-1930**  
**RELAY PROGRAMMABLE ATTENUATOR**

JFW Industries, Inc.  
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Frequency Range	DC-200 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	1.3:1 maximum
Attenuation Accuracy	± 0.5 dB
Insertion Loss	0.4 dB maximum 0.33 dB typical @ 200 MHz
RF Input Power	10 Watts average 100 Watts peak (1 microsecond)
Switching Speed	6 milliseconds
Control (6 lines)	TTL Low for Thru Path TTL High for Attenuation
DC Supply	+12 Vdc at 30 mA per relay (7 relays total)
DC Connector	DE-9P
RF Connector	BNC, TNC, N or SMA
Operating Temperature Range	-20°C to +85°C
Physical Size	See outline drawing 092-7118

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	10/25/2011		CLK 10/25/2011				
27019	09/01/2016	A	CLK 09/01/2016				