

**SPECIFICATION SHEET**  
**JFW MODEL 50P-1976**  
**RELAY PROGRAMMABLE ATTENUATOR**

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Frequency Range	DC-1000 MHz
Impedance	50 Ohms nominal
Attenuation Range	0-127 dB in 1 dB steps
Attenuation Steps	1, 2, 4, 8, 16, 32, and 64 dB
VSWR	1.4:1 maximum < 1.3:1 typical
Attenuation Accuracy	± 0.5 dB maximum (1-31 dB) ± 1.0 dB maximum (32-127 dB)
Insertion Loss	2.00 dB maximum 0.27 dB typical @ 100 MHz 0.39 dB typical @ 250 MHz 0.69 dB typical @ 500 MHz 1.49 dB typical @ 1000 MHz
RF Input Power	1 Watt average
Switching Speed	6 milliseconds
Control	+12 Vdc @ 15 mA per relay (8 relays total)
DC Connector	0.040" diameter solder terminals
RF Connector	BNC, TNC, N, or SMA
Operating Temperature Range	-20°C to +85°C
Physical Size	See outline drawing 092-7815

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