

SPECIFICATION SHEET**JFW MODEL 50P-1807****RELAY PROGRAMMABLE ATTENUATOR**

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

Frequency Range	DC-2000 MHz
Impedance	50 Ohms nominal
Attenuation Range	0-60 dB in 10 dB steps
Attenuation Steps	10, 20, and 30 dB
VSWR	1.35:1 maximum
Attenuation Accuracy	± 0.5 dB (Individually) ± 0.5 dB or 2% (Any combination) (whichever is greater)
Insertion Loss	1.0 dB maximum DC-1000 MHz 1.3 dB maximum 1000-2000 MHz
RF Input Power	1 Watt average
Repeatability	0.03 dB pk/pk DC-300 MHz 0.2 dB pk/pk 300-2000 MHz
Switching Speed	10 milliseconds
DC Supply	+12 Vdc @ 30 mA per relay (3 relays total)
Control	Relays energized with +12 Vdc. Defaults to 10dB attenuation when no power is applied. (For 0dB, +12 Vdc required on "10dB" terminal)
DC Connector	.040 Diameter solder terminals
RF Connector	SMA female (8-10 in-lbs. Max/Recommended)
Operating Temperature Range	0°C to +70°C
Lifetime (typical)	1 million cycles per section
Physical Size	See outline drawing 092-5681
Ground Pin	Internally connected to the case

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/04/2008		CLK 01/04/2008	15622	03/31/2008	C	CLK 03/31/2008
15154	01/09/2008	A	CLK 01/09/2008	15965	06/04/2008	D	CLK 06/04/2008
15589	03/21/2008	B	CLK 03/21/2008	16903	03/03/2009	E	CLK 03/03/2009