

**SPECIFICATION SHEET**  
**JFW MODEL 50P-1212**  
**RELAY PROGRAMMABLE ATTENUATOR**

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Frequency Range	DC-2500 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	1.6:1 maximum
Attenuation Accuracy	1, 2, 4, 8, 16, 32 dB Pads $\pm 0.2$ dB or 2% DC-1000 MHz $\pm 0.3$ dB or 3% 1000-2500 MHz
Insertion Loss	3.9 dB maximum 1.0 dB typical @ 500 MHz 1.7 dB typical @ 1000 MHz 3.5 dB typical @ 2500 MHz
RF Input Power	0.5 Watts average 100 Watts peak
Switching Speed	6 milliseconds maximum
Control	+12 Vdc at 15 mA (1, 2, 4, 8dB) +12 Vdc at 30 mA (16dB) +12 Vdc at 60 mA (32dB)
RF Connector	BNC, SMA, TNC or N female
Operating Temperature Range	-20°C to +85°C
Physical Size	See outline drawing 092-2614

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
9999	09/26/2002	C	TRS 10/01/2002	12783	05/10/2006	F	TRS 05/10/2006
4437	01/21/2004	D	CLV 01/22/2004	14166	05/09/2007	G	TRS 05/09/2007
11807	09/01/2005	E	TRS 09/01/2005	14398	07/11/2007	H	TRS 07/12/2007