

**SPECIFICATION SHEET**

**JFW MODEL 75P-224**

**RELAY PROGRAMMABLE ATTENUATOR**

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

Frequency Range	DC-2150 MHz
Impedance	75 Ohms nominal
Attenuation Range	0-31.75 dB in 0.25 dB steps
Attenuation Steps	0.25, 0.5, 1, 2, 4, 8 and 16 dB
VSWR	1.4:1 maximum
Attenuation Accuracy (guaranteed monotonic)	Individual Pads: 0.25, 0.5 dB           ± 0.15 dB 1, 2, 4, 8, 16 dB     ± 0.25 dB  Combinations: 0.75-3.75 dB           ± 0.3 dB 4.25-15.75 dB         ± 0.4 dB 16.25-31.75 dB        ± 0.5 dB
Insertion Loss	2.2 dB maximum 0.9 dB typical at 1000 MHz 1.4 dB typical at 1850 MHz 1.7 dB typical at 2150 MHz
RF Input Power	0.5 Watts average
Switching Speed	10 milliseconds
Control (7 lines)	+12 Vdc @ 33 mA per relay (7 relays total)
DC Connector	Solder Terminals
RF Connector	F, BNC, or N female
Lifetime (typical)	300,000 cycles per relay
Operating Temperature Range	-40°C to +70°C
Physical Size	See outline drawing 092-9453

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	12/11/2019		CLK 12/11/2019				
30057	12/11/2019	A	CLK 12/11/2019				
30815	12/16/2020	B	CLK 12/16/2020				