

SPECIFICATION SHEET
JFW MODEL 75PA-050
PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	600-2000 MHz
Configuration	Five solid-state programmable attenuators and Six electromechanical 1P2T failsafe self terminating switches
Impedance	75 Ohms nominal
Attenuation Range	0-127 dB in 1 dB steps
Attenuation Steps	1, 2, 4, 8, 16, 32, and 64 dB
VSWR	Attenuators and Switches: 1.8:1 maximum
Attenuation Accuracy (guaranteed monotonic)	± 0.5 dB or 3% of programmed (whichever is greater)
Insertion Loss	Attenuators (1-6): 5 dB maximum 4 dB typical Switches (1-4): 1.25 dB maximum 1 dB typical
Switch Isolation	50 dB minimum 60 dB typical to 2000 MHz 70 dB typical to 1500 MHz
RF Input Power	+20 dBm average +30 dBm (no damage)
Switching Speed (Attenuators)	5 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
Switching Speed (Switches)	10 milliseconds typical (after command is received and processed) (3 milliseconds typical processing time)
Baud Rates (RS-232 Mode)	9600, 19200, 38400 Baud
AC Supply	100-240 VAC @ 47-63 Hz

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Manual Control	Keypad and LCD display
Control	Ethernet (10/100) and RS-232
Remote Commands	Variable Handover (VHND Av Aw Vx Vy Tz) Fade Attenuator (FAx y z t) Set Attenuator (SAx y) Read Attenuator (RAx) Set Switch (SSx y) Read Switch (RSx) Change Baud Rate (CBx) Identification (IDN) Disconnect (DIS) - Ethernet only Pause (PAUSEx)
RF Connector	F female
Operating Temperature Range	0°C to +50°C
Physical Size	See outline drawing 092-6050

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/16/2009		CLK 01/16/2009				