

**SPECIFICATION SHEET**

**JFW MODEL 50PA-505**

**BENCHTOP PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	200-6000 MHz
Configuration	Four individually controlled solid-state programmable attenuators
Impedance	50 Ohms nominal
Attenuation Range	0-63 dB in 1 dB steps
VSWR	1.8:1 maximum    200-800 MHz 1.6:1 maximum    800-6000 MHz
Attenuation Accuracy (guaranteed monotonic)	± 0.50 dB            1-3 dB ± 0.75 dB            4-7 dB ± 1.00 dB            8-11 dB ± 1.25 dB or 4%    12-63 dB (whichever is greater)
Insertion Loss	6.0 dB maximum 5.0 dB typical
RF Input Power	+20 dBm average +25 dBm (no damage)
Switching Speed	1 microsecond typical (after command is received and processed) (3 milliseconds typical processing time)
AC Supply	100-240 VAC @ 47-63 Hz
Manual Control	20-Button Keypad and LCD display
Remote Control	RS-232 (9600, 19200, or 38400 Baud) Ethernet (TCP, 10/100, up to 4 users)
Remote Commands	Attenuator Control Commands: Set Attenuator, Set Attenuator with Response, Read Attenuator, Set All Attenuators, Read All Attenuators, Set Multiple Attenuator, Fade Attenuator, Variable Handover, Store, Recall  System Commands: Identification, Pause -RS-232 Only:    Change Baud -Ethernet Only: Disconnect, Close, Message, Clear

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RF Connector SMA or N female  
Operating Temperature Range 0°C to +50°C  
Physical Size See outline drawing 092-5986 (N)  
092-5987 (SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/06/2009		CLK 08/06/2009	18141	01/22/2010	C	CLK 01/22/2010
17674	09/11/2009	A	CLK 09/11/2009				
17975	12/16/2009	B	CLK 12/16/2009				