

SPECIFICATION SHEET**JFW MODEL 50PA-857****PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	200-6000 MHz	
Configuration	36 individually controlled solid-state programmable attenuators	
Impedance	50 Ohms nominal	
RF Connector	N female or SMA female	
Enclosure Type	19 inch rack mount	
	4RU high (SMA female)	
	9RU high (N female)	
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	6.6 dB maximum	
	2.7 dB typical @ 200 MHz	
	3.0 dB typical @ 700 MHz	
	3.7 dB typical @ 2000 MHz	
	6.3 dB typical @ 6000 MHz	
RF Input Power	+27 dBm average	
	+33 dBm (no damage)	
Switching Speed	3 microseconds typical	
	(after command is received and processed)	
	(3 milliseconds typical processing time)	
Manual Control	20-Button Keypad and LCD display	
	(IP Address configurable via keypad)	
	(Net mask configurable via keypad)	
	(Gateway configurable via keypad)	
	(Baud rate configurable via keypad)	
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users)	
	RS-232 (up to 115200 Baud)	

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Remote Commands

Attenuator Control Commands:

Atten, Set Attenuator, Read Attenuator, Set All Attenuators, Read All Attenuators, Read All Extended, Fade Attenuator, Variable Attenuator Handover, Block, Set Block, Read Block, Read All Blocks, Fade Block, Variable Block Handover

System Commands:

Help, Identification, Store, Recall, Pause, Net, Serial, Close, Disconnect, MOTD, Date, Message, Restrict, IDENT, Name, Show Users, Reboot, Uptime, Prompt

Startup/Default States

Maximum attenuation (see ATTEN STARTUP command)
DHCP enabled (see NET command)
4 Ethernet users (see NET USERS command)
Prompts off (see PROMPT command)

Operating Temperature Range

0°C to +50°C

AC Supply

100-240 VAC @ 47-63 Hz

Outline Drawing Numbers

092-7928 (50PA-857 SMA)
092-10226 (50PA-857 N)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	02/12/2014		TRS 02/12/2014	33133	01/29/2024	C	TRS 01/29/2024
24239	06/27/2014	A	TRS 06/27/2014				
28940	08/09/2018	B	TRS 08/09/2018				