

**SPECIFICATION SHEET**

**JFW MODEL 50PA-847**

**PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

Frequency Range	200-6000 MHz
Configuration	24 individually controlled solid-state programmable attenuators
Enclosure Type	19 inch rack mount (4RU high for SMA female) (5RU high for N female)
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
Startup/Default States	Maximum attenuation (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET command) Prompts off (see PROMPT command)  All of these default settings can be changed by user. Unit can be configured for up to 12 Ethernet users.
VSWR	2.0:1 maximum < 1.9:1 typical
Attenuation Accuracy (guaranteed monotonic)	± 0.7 dB                    1-7 dB ± 1.0 dB                    8-11 dB ± 1.25 dB or 4%        12-95 dB (whichever is greater)
Insertion Loss	8.8 dB maximum 3.8 dB typical @ 200 MHz 8.0 dB typical @ 6000 MHz
RF Input Power	+27 dBm +33 dBm (no damage)
Switching Speed	4 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)
AC Supply	100-240 VAC @ 47-63 Hz 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse#215-002, JFW#025-021

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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)

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

RF Connector N or SMA female

Operating Temperature Range 0°C to +50°C

Outline Drawing Numbers 092-7621 (50PA-847 N)  
092-7899 (50PA-847 SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	12/13/2013		TRS 12/13/2013	28159	08/08/2018	C	TRS 08/08/2018
24239	06/27/2014	A	TRS 06/27/2014				
25773	09/24/2015	B	TRS 09/24/2015				