

SPECIFICATION SHEET

JFW MODEL 50PA-846

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	0-63 dB in 1 dB steps
Startup/Default States (configurable)	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	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)

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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

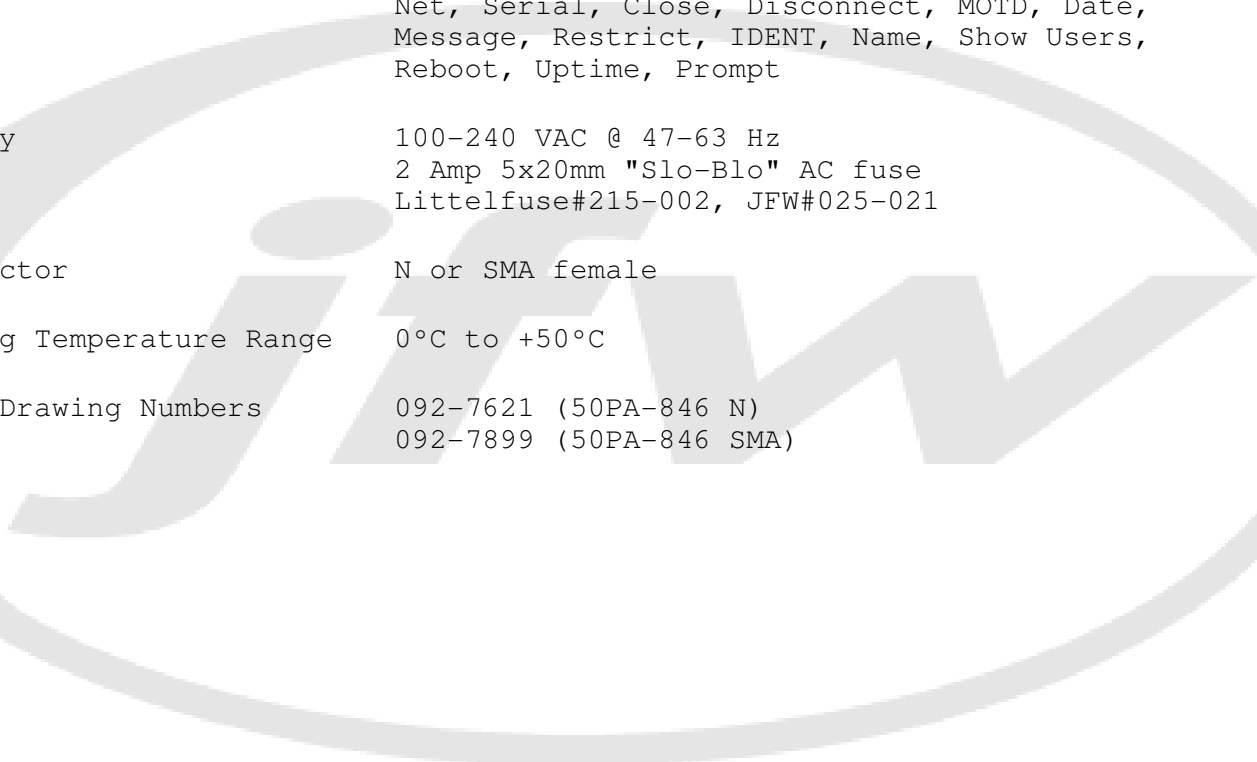
System Commands:
Help, Identification, Store, Recall, Pause,
Net, Serial, Close, Disconnect, MOTD, Date,
Message, Restrict, IDENT, Name, Show Users,
Reboot, Uptime, Prompt

AC Supply 100-240 VAC @ 47-63 Hz
2 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse#215-002, JFW#025-021

RF Connector N or SMA female

Operating Temperature Range 0°C to +50°C

Outline Drawing Numbers 092-7621 (50PA-846 N)
092-7899 (50PA-846 SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	12/13/2013		TRS 12/13/2013	29172	11/20/2018	C	CLK 11/20/2018
24239	06/27/2014	A	TRS 06/27/2014				
25773	09/24/2015	B	TRS 09/24/2015				