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 19 inch rack mount Enclosure Type (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 ± 0.7 dB 1-7 dB (guaranteed monotonic) 8-11 dB ± 1.0 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)

* Units shipped before 10/5/2017 (date code 1740) are only rated at +20dBm maximum. The JFW date code is a four digit code (YYWW) that follows the six digit serial number. For example date code 1908 is the 8th week of 2019.

Ε	CR/ECN	# DATE	REV	APPR / DATE	ECR/ECN	# DATE	REV	APPR / DATE
		12/13/2013		TRS 12/13/2013	28159	08/08/2018	С	TRS 08/08/2018
	24239	06/27/2014	A	TRS 06/27/2014	29857	10/02/2019	D	TRS 10/03/2019
	25773	09/24/2015	В	TRS 09/24/2015				