

SPECIFICATION SHEET

JFW MODEL 50PA-866

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

Frequency Range	200-6000 MHz
Configuration	20 individually controlled solid-state programmable attenuators
Enclosure Type	19 inch rack mount @ 4RU high
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
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)
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
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)

--CONTINUED--

SPECIFICATION SHEET

JFW MODEL 50PA-866

PROGRAMMABLE ATTENUATOR ASSEMBLY

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

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

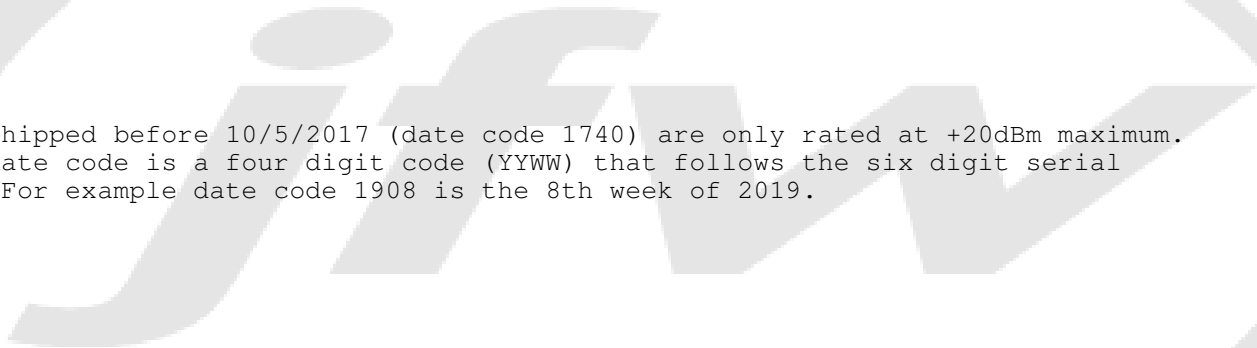
Operating Temperature Range

0°C to +50°C

Outline Drawing Number

092-7949 (50PA-866 SMA)
092-7949-01 (50PA-866 N)

* 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.



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/04/2014		TRS 03/04/2014	29443	03/29/2019	C	TRS 03/29/2019
24239	06/27/2014	A	TRS 06/27/2014	29857	10/02/2019	D	TRS 10/03/2019
28159	10/05/2017	B	CLK 10/05/2017				