

SPECIFICATION SHEET
JFW MODEL 50PA-1283
LC HANDOVER TEST SYSTEM

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

Frequency Range	500-6000 MHz
Configuration	Dual 4 X 1 LC Handover Test System (See block diagram 092-8696) (all ports are bi-directional) (limited fan-out configuration) (the ADMIN password is located on rear panel)
Enclosure Type	19 inch rack mount @ 2RU high
Impedance	50 Ohms nominal
Attenuation Range	0-95 dB in 1 dB steps
VSWR	1.8:1 maximum 1.5:1 typical
Attenuation Accuracy	± 0.50 dB 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater) (guaranteed monotonic)
Insertion Loss	23.7 dB maximum 22.3 dB typical
Power Divider Isolation	20 dB minimum 25 dB typical
RF Input Power	+30 dBm (into Attenuator ports) +33 dBm (into J1/J2 ports)
Switching Speed	4 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
(configurable)

Attenuators to 95dB at startup (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.

RF Connector

N or SMA female

AC Supply

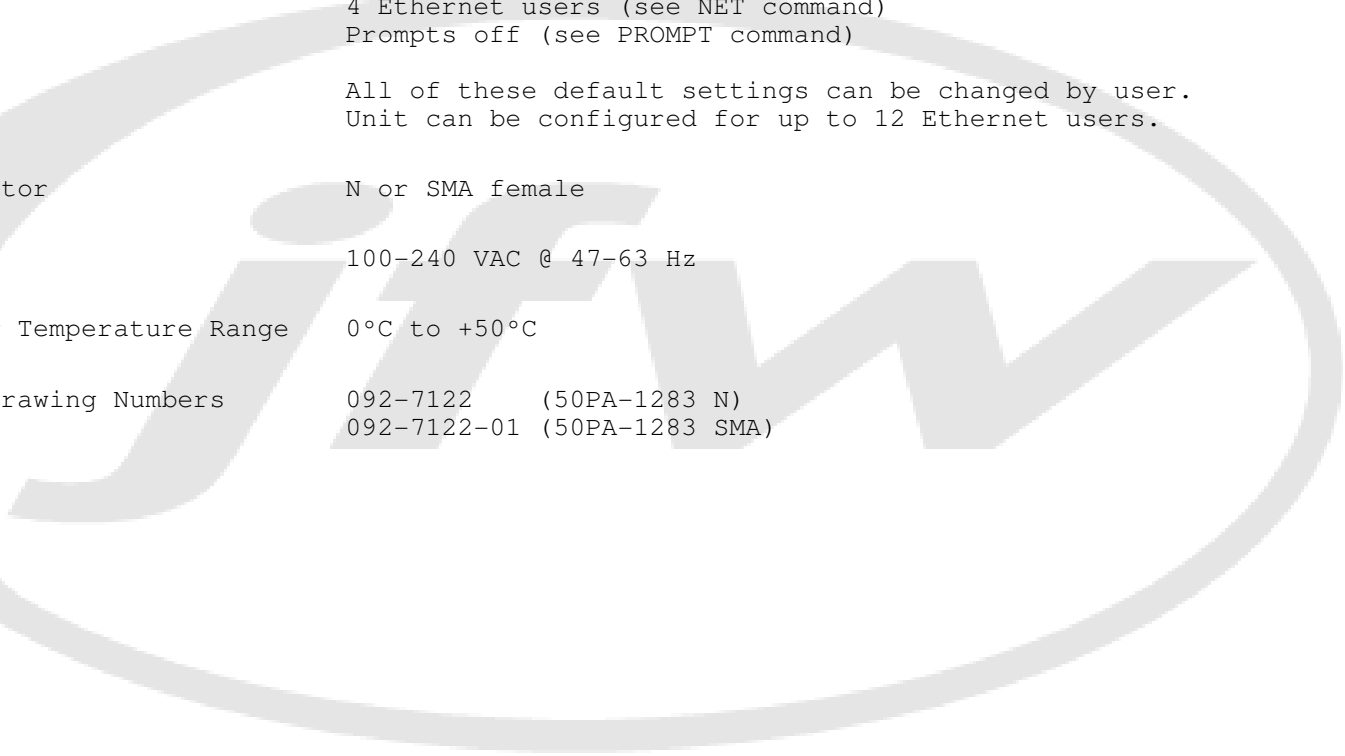
100-240 VAC @ 47-63 Hz

Operating Temperature Range

0°C to +50°C

Outline Drawing Numbers

092-7122 (50PA-1283 N)
092-7122-01 (50PA-1283 SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	09/04/2024		TRS 09/04/2024				