

**SPECIFICATION SHEET**

**JFW MODEL 50PA-850**

**TRANSCEIVER TEST SYSTEM**

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

Frequency Range 30-3000 MHz

Configuration 12 x 12 Handover Test System  
(see block diagram 092-7910 for attenuator addressing)  
(all ports are bi-directional)  
(full fan-out i.e. every path has its own attenuator)  
(the ADMIN password is located on rear panel)

Enclosure Type 19 inch rack mount @ 14RU high

Impedance 50 Ohms nominal

Attenuation Range 0-95 dB in 1 dB steps

Startup/Default States (configurable) Maximum attenuation (see ATTEN STARTUP command)  
DHCP enabled (see NET command)  
4 Ethernet users (see NET USERS command)  
Prompts off (see PROMPT command)

VSWR 1.8:1 maximum

Attenuation Accuracy (guaranteed monotonic) ± 0.50 dB (1-7dB)  
± 1.00 dB (8-11dB)  
± 1.25 or 3% (12-95dB)  
(whichever is greater)

Insertion Loss 47 dB maximum  
44 dB typical

Power Divider Isolation 20 dB minimum

RF Input Power 1 Watt average

Switching Speed 4 microseconds  
(after command is received and processed)  
(3 milliseconds typical processing time)

AC Supply 100-240 VAC @ 47-63 Hz  
4 Amp 5x20mm "Slo-Blo" AC fuse  
Littelfuse #215-004, JFW #025-018

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 Path, Read Path, Read All Paths, 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

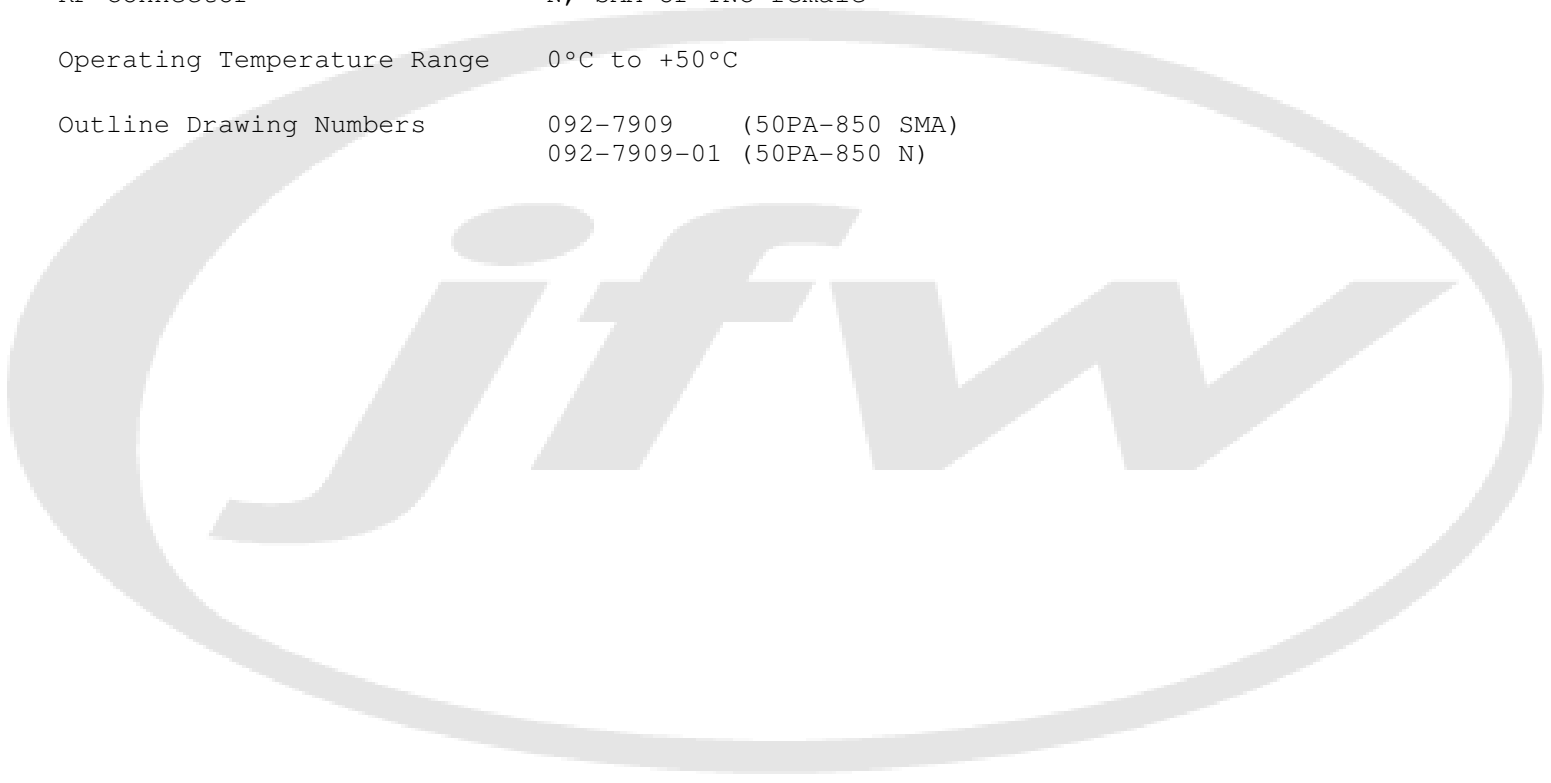
N, SMA or TNC female

Operating Temperature Range

0°C to +50°C

Outline Drawing Numbers

092-7909 (50PA-850 SMA)  
092-7909-01 (50PA-850 N)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	01/13/2014		TRS 01/13/2014	29346	02/27/2019	C	TRS 02/26/2019
24239	09/08/2014	A	TRS 09/08/2014				
28159	10/05/2017	B	CLK 10/05/2017				