

**SPECIFICATION SHEET**  
**JFW MODEL 50PMA-080**  
**TRANSCEIVER TEST SYSTEM**

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

Frequency Range	500-6000 MHz
Configuration	6 Port Transceiver Test System (see block diagram 092-7697 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 @ 5RU 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	$\pm 0.50$ dB      1-3dB $\pm 1.00$ dB      4-11dB $\pm 1.25$ or 4%    12-95dB (whichever is greater) (guaranteed monotonic)
Insertion Loss	41 dB maximum 39 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

092-7887 (50PMA-080 N)  
092-10044 (50PMA-080 SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	11/25/2013		TRS 11/25/2013	28159	10/05/2017	C	CLK 10/05/2017
23656	01/17/2014	A	TRS 01/17/2014	32522	03/29/2023	D	TRS 03/29/2023
24239	09/09/2014	B	TRS 09/09/2014				