

**SPECIFICATION SHEET**  
**JFW MODEL 50PMA-074**  
**TRANSCEIVER TEST SYSTEM**

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

Frequency Range	30-3000 MHz						
Configuration	6 Port Transceiver Test System (See Block Diagram 092-7697) (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 @ 3RU high						
Impedance	50 Ohms nominal						
Attenuation Range	0-95 dB in 1 dB steps						
Startup/Default States (configurable)	Attenuators to 95dB at startup (see ATTEN command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS 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	1.8:1 maximum						
Attenuation Accuracy (guaranteed monotonic)	<table><tr><td>± 0.50 dB</td><td>1-7 dB</td></tr><tr><td>± 1.00 dB</td><td>8-11 dB</td></tr><tr><td>± 1.25 or 3%</td><td>12-95 dB</td></tr></table> (whichever is greater)	± 0.50 dB	1-7 dB	± 1.00 dB	8-11 dB	± 1.25 or 3%	12-95 dB
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± 1.00 dB	8-11 dB						
± 1.25 or 3%	12-95 dB						
Insertion Loss	38 dB maximum						
RF Input Power	+30 dBm average						
Power Divider Isolation	20 dB minimum						
Switching Speed	4 microseconds typical (after command is received and processed) (3 milliseconds typical processing time)						
Remote Control	Ethernet (DHCP, TCP/IP, 10/100, up to 12 users) RS-232 (up to 115200 Baud)						
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)						

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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

Temperature Range

Operating: 0°C to +70°C  
Storage: -55°C to +85°C

AC Supply

100-240 VAC @ 47-63 Hz

Outline Drawing Numbers

092-6472 (SMA female)  
092-6472-01 (N female)  
092-7696 (TNC female)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	05/01/2013		CLK 05/01/2013	33227	03/05/2024	C	TRS 03/05/2024
24239	01/08/2016	A	TRS 01/08/2016				
28159	10/05/2017	B	CLK 10/05/2017				