

SPECIFICATION SHEET
JFW MODEL 50PMA-072
TRANSCEIVER TEST SYSTEM

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

Frequency Range	30-3000 MHz
Configuration	4 Port Transceiver Test System (see block diagram 092-6984 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	Benchtop
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 1.5:1 typical
Attenuation Accuracy	± 0.7 dB 1-7 dB ± 1.0 dB 8-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater) (guaranteed monotonic)
Insertion Loss	29 dB maximum 27 dB typical
Power Divider Isolation	20 dB minimum 23 dB typical
RF Input Power	+30 dBm average
Switching Speed	4 microseconds (after command 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 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

Operating Temperature Range 0°C to +50°C

AC Supply

100-240 VAC @ 47-63 Hz
0.2 Amps @ 120 VAC nominal
0.1 Amps @ 240 VAC nominal
2 Amp 5x20mm "Slo-Blo" AC fuse
Littelfuse#215-002, JFW#025-021

RF Connector

SMA or N female

Physical Size

See outline drawings: 092-7656 (50PMA-072 SMA)
092-8019 (50PMA-072 N)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	03/22/2013		CLK 03/22/2013	24239	06/26/2014	C	CLK 06/26/2014
22841	05/17/2013	A	CLK 05/17/2013	28159	10/05/2017	D	CLK 10/05/2017
23019	07/16/2013	B	CLK 07/16/2013	34109	04/28/2025	E	TRS 04/28/2025