

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 1.7:1 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 28 dB maximum
21 dB typical @ 30 MHz
26 dB typical @ 3000 MHz

Power Divider Isolation 20 dB minimum
23 dB typical

RF Input Power +28 dBm average

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

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)

--CONTINUED--

SPECIFICATION SHEET
JFW MODEL 50PMA-072
TRANSCEIVER TEST SYSTEM

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

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

SMA or N female

Operating Temperature Range

0°C to +50°C

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				
23019	07/16/2013	B	CLK 07/16/2013				