

SPECIFICATION SHEET
JFW MODEL 50PMA-109
TRANSCEIVER TEST SYSTEM

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

Frequency Range	30-3000 MHz
Configuration	24 Port LC16 Limited Fan-out Transceiver Test System (see 092-8617 for block diagram) (see 092-8618 for attenuator address chart) (all ports are bi-directional) (the ADMIN password is located on rear panel)
Limited Fan-out Description	24 Port LC16 means that each of the 24 ports is connection limited to only its 16 neighboring ports. See 092-8618 for a connection example and the chart for all internal connections through the matrix.
Enclosure Type	19 inch rack mount @ 13RU 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	± 0.50 dB 1-7dB ± 1.00 dB 8-11dB ± 1.25 or 3% 12-95dB (whichever is greater) (guaranteed monotonic)
Insertion Loss	45.7 dB typical 49.1 dB maximum
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)
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)

--CONTINUED--

SPECIFICATION SHEET
JFW MODEL 50PMA-109
TRANSCEIVER TEST SYSTEM

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

Remote Control Ethernet (DHCP, TCP/IP, 10/100, up to 12 users)
RS-232 (up to 115200 Baud)

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

AC Supply 100-240 VAC @ 47-63 Hz

Outline Drawing Number 092-8616 (50PMA-109 SMA)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/26/2016		TRS 04/26/2016				
28159	10/05/2017	A	CLK 10/05/2017				