

SPECIFICATION SHEET
JFW MODEL 50PMA-116
TRANSCEIVER TEST SYSTEM

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

Frequency Range	30-3000 MHz
Configuration	16 Port LC8 Limited Fan-out Transceiver Test System (see 092-8685 for block diagram) (see 092-8686 for attenuator address chart) (all ports are bi-directional) (the ADMIN password is located on rear panel)
Limited Fan-out Description	16 Port LC8 means that each of the 16 ports is connection limited to only its 8 neighboring ports. See 092-8686 for a connection example and the chart for all internal connections through the matrix.
Enclosure Type	19 inch rack mount @ 9RU 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	1.5:1 typical / 1.8:1 maximum
Insertion Loss	38.4 dB typical / 42.3 dB maximum
Attenuation Accuracy	± 0.50 dB 1-7dB ± 1.00 dB 8-11dB ± 1.25 or 3% 12-95dB (whichever is greater) (guaranteed monotonic)
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)

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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 092-8684 (50PMA-116 SMA)
092-8684-01 (50PMA-116 N)

ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	08/15/2016		TRS 08/15/2016				
28159	10/05/2017	A	CLK 10/05/2017				
29095	10/19/2018	B	CLK 10/19/2018				