

SPECIFICATION SHEET
JFW MODEL 50PMA-108
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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Frequency Range	30-3000 MHz
Configuration	32 Port LC16 Limited Fan-out Transceiver Test System (see 092-8599 for block diagram) (see 092-8600 for attenuator address chart) (all ports are bi-directional) (the ADMIN password is located on rear panel)
Limited Fan-out Description	32 Port LC16 means that each of the 32 ports is connection limited to only its 16 neighboring ports. See 092-8600 for a connection example and the chart for all internal connections through the matrix.
Enclosure Type	19 inch rack mount @ 19RU 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	2 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)
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

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 Numbers

092-8598 (50PMA-108 SMA)



ECR/ECN #	DATE	REV	APPR / DATE	ECR/ECN #	DATE	REV	APPR / DATE
	04/05/2016		TRS 04/05/2016				