

SPECIFICATION SHEET
JFW MODEL 50PMA-209
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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| | |
|----------------------|--|
| Frequency Range | 30-6000 MHz |
| Configuration | 8 Port Transceiver Test System with 1 RF Hub (See Block Diagram 092-9932) (all ports are bi-directional) (limited fan-out configuration) (the ADMIN password is located on rear panel) |
| Enclosure Type | 19 inch rack mount @ 2RU high |
| Impedance | 50 Ohms nominal |
| Attenuation Range | 0-95 dB in 1 dB steps |
| VSWR | 2.1:1 maximum 1.7:1 typical |
| Insertion Loss | 43.0 dB maximum 39.5 dB typical |
| Attenuation Accuracy | ± 0.50 dB 1-3 dB ± 1.00 dB 4-11 dB ± 1.25 dB or 4% 12-95 dB (whichever is greater) (guaranteed monotonic) |
| RF Input Power | +27 dBm |
| Switching Speed | 4 microseconds typical (after command is received and processed) (3 milliseconds typical processing time) |
| Manual Control | Keypad and 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 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

Startup/Default States
(configurable)

Attenuators to 95dB at startup (see ATTEN command)
DHCP enabled (see NET command)
4 Ethernet users (see NET 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.

AC Supply

100-240 VAC @ 47-63 Hz

RF Connector

N or SMA female

Temperature Range

Operating: 0°C to +70°C
Storage: -55°C to +85°C

Physical Size

See outline drawing 092-8970

| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
| | 04/08/2025 | | TRS 04/08/2025 | | | | |