

SPECIFICATION SHEET
JFW MODEL 50PMA-092
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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|--|--|
| Frequency Range | 30-3000 MHz |
| Configuration/Notes | 9 Port Transceiver Test System (see block diagram 092-5356 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 | 19 inch rack mount @ 4RU 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 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 1-7 dB ± 1.00 dB 8-11 dB ± 1.25 dB or 3% 12-95 dB (whichever is greater) (guaranteed monotonic) |
| Insertion Loss | 38 dB maximum |
| Power Divider Isolation | 24 dB minimum |
| RF Input Power | 1 Watt average |
| Switching Speed | 2 microseconds (after command is received and processed) (3 milliseconds typical processing time) |
| AC Supply | 100-240 VAC @ 47-63 Hz 4 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse #215-004, JFW #025-018 |
| 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

Physical Size

See outline drawing 092-6110



| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
| | 09/08/2014 | | TRS 09/08/2014 | | | | |
| 26686 | 05/27/2016 | A | TRS 05/27/2016 | | | | |