

SPECIFICATION SHEET
JFW MODEL 50PMA-086
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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| Frequency Range | 698-3000 MHz |
| Configuration | 4 Port Transceiver Test System (see block diagram 092-6984 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 @ 2RU high |
| Impedance | 50 Ohms nominal |
| Attenuation Range | 0-127 dB in 1 dB steps |
| Startup/Default States (configurable) | Maximum attenuation (see ATTEN STARTUP command) DHCP enabled (see NET command) 4 Ethernet users (see NET USERS command) Prompts off (see PROMPT command) |
| VSWR | 1.7:1 maximum < 1.5:1 typical |
| Attenuation Accuracy (guaranteed monotonic) | ± 0.5 dB or 2% (typical) ± 0.75 dB or 2% (maximum) |
| Insertion Loss | 28.0 dB maximum 26.5 dB typical |
| Power Divider Isolation | 21 dB minimum > 24 dB typical |
| RF Input Power | 1 Watt average |
| Switching Speed | 5 microseconds typical (after command is received and processed) (3 milliseconds typical processing time) |
| AC Supply | 100-240 VAC @ 47-63 Hz 2 Amp 5x20mm "Slo-Blo" AC fuse Littelfuse #215-002, JFW #025-021 |
| 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 or SMA female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-7975



| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
| | 04/09/2014 | | TRS 04/09/2014 | | | | |
| 24239 | 09/08/2014 | A | TRS 09/08/2014 | | | | |