

SPECIFICATION SHEET
JFW MODEL 50PMA-030
TRANSCEIVER TEST SYSTEM

JFW Industries, Inc.
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| | |
|-------------------------|--|
| Frequency Range | 200-2500 MHz |
| Configuration | 8 Port Transceiver Test System (see block diagram 092-5910 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 @ 5RU high |
| Impedance | 50 Ohms nominal |
| Attenuation Range | 0-127 dB in 1 dB steps |
| VSWR | 1.8:1 maximum |
| Attenuation Accuracy | 1, 2, 4 and 8 dB ± 0.5 dB 16, 32 and 64 dB ± 0.5 dB or 2% (whichever is greater) (guaranteed monotonic) |
| Insertion Loss | 34 dB nominal @ 200 MHz 37 dB nominal @ 2500 MHz |
| Power Divider Isolation | 18 dB minimum (Port to Port same divider) |
| RF Input Power | +30 dBm average |
| Switching Speed | 2 microseconds typical (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

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)

AC Supply

100-240 VAC @ 47-63 Hz
 4 Amp 5x20mm "Slo-Blo" AC fuse
 Littelfuse #215-004, JFW #025-018

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 092-6641

| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
| | 07/23/2010 | | CLK 07/23/2010 | | | | |
| 24239 | 09/09/2014 | A | TRS 09/09/2014 | | | | |