## SPECIFICATION SHEET
## JFW MODEL 50PMA-078
## TRANSCEIVER TEST SYSTEM

| | |
|---|---|
| Frequency Range | DC-500 MHz |
| Configuration | 12 Port Transceiver Test System with 2 RF Hubs<br>(See block diagram 092-7807)<br>(all ports are bi-directional)<br>(limited fan-out configuration)<br>(the ADMIN password is located on rear panel) |
| Enclosure Type | 19 inch rack mount @ 4RU high |
| Impedance | 50 Ohms nominal |
| Switch Range | J1-J2 (electro-mechanical) |
| Attenuation Range | 0-127 dB in 1 dB steps (electro-mechanical) |
| Startup/Default States<br>(configurable) | All switches to port J1 at startup (see SWITCH command)<br>All attenuators 127dB at startup (see ATTEN command)<br>DHCP enabled (see NET command)<br>4 Ethernet users (see NET USERS command)<br>Prompts off (see PROMPT command) |
| VSWR | 1.6:1 maximum<br>< 1.4:1 typical |
| Attenuation Accuracy | ± 0.5 dB (1-31 dB)<br>± 1.0 dB (32-127 dB) |
| Insertion Loss | 24.8 dB maximum<br>22.9 dB typical |
| RF Input Power | 1 Watt average average |
| Switching Speed | 6 milliseconds for Attenuators<br>20 milliseconds for Switches<br>(after command is received and processed)<br>(3 milliseconds typical processing time) |
| Manual Control | 20-Button Keypad and LCD display<br>(IP Address configurable via keypad)<br>(Net mask configurable via keypad)<br>(Gateway configurable via keypad)<br>(Baud rate configurable via keypad) |
| Remote Control | Ethernet (DHCP, TCP/IP, 10/100, up to 12 users)<br>RS-232 (up to 115200 Baud) |

**--CONTINUED--**

Remote Commands

Switch Control Commands:
Switch, Set Switch, Read Switch, Set All Switches,
Read All Switches

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

RF Connector                 N or SMA female

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

Operating Temperature Range  0°C to +50°C

Physical Size                See outline drawing 092-7806

| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------|-----|-------------|-----------|------|-----|-------------|
|  | 09/11/2013 |  | TRS 09/11/2013 |  |  |  |  |
| 24239 | 12/05/2014 | A | TRS 12/05/2014 |  |  |  |  |
| 25671 | 08/19/2015 | B | TRS 08/19/2015 |  |  |  |  |