

**SPECIFICATION SHEET**  
**JFW MODEL 50PA-982**  
**HANDOVER TEST SYSTEM**

JFW Industries, Inc.  
Phone: 317-887-1340  
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www.jfwindustries.com

|  |   |
|--|---|
| Frequency Range                          | 500-6000 MHz  |
| Configuration                            | 6 x 8 Handover System<br>(see block diagram 092-8473 for attenuator addressing)<br>(all ports are bi-directional)<br>(full fan-out configuration)<br>(the ADMIN password is located on rear panel)  |
| Enclosure Type                           | 19 inch rack mount @ 10RU high  |
| Impedance                                | 50 Ohms nominal   |
| Attenuation Range                        | 0-95 dB in 1 dB steps   |
| Startup/Default States<br>(configurable) | Maximum attenuation (see ATTEN STARTUP command)<br>DHCP enabled (see NET command)<br>4 Ethernet users (see NET USERS command)<br>Prompts off (see PROMPT command)<br><br>All of these default settings can be changed by user.<br>Unit can be configured for up to 12 Ethernet users. |
| VSWR                                     | 1.7:1 maximum<br>< 1.5:1 typical  |
| Insertion Loss                           | 41 dB maximum<br>31 dB typical @ 500 MHz<br>40 dB typical @ 6000 MHz  |
| Attenuation Accuracy                     | ± 0.50 dB                    1-3 dB<br>± 0.75 dB                    4-7 dB<br>± 1.00 dB                    8-11 dB<br>± 1.25 dB or 4%            12-95 dB<br>(whichever is greater)<br>(guaranteed monotonic)   |
| Isolation                                | 50 dB minimum (Input to Input)<br>50 dB minimum (Output to Output)  |
| RF Input Power                           | +30 dBm average   |
| Switching Speed                          | 4 microseconds typical<br>(after command 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)   |

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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

SMA female

AC Supply

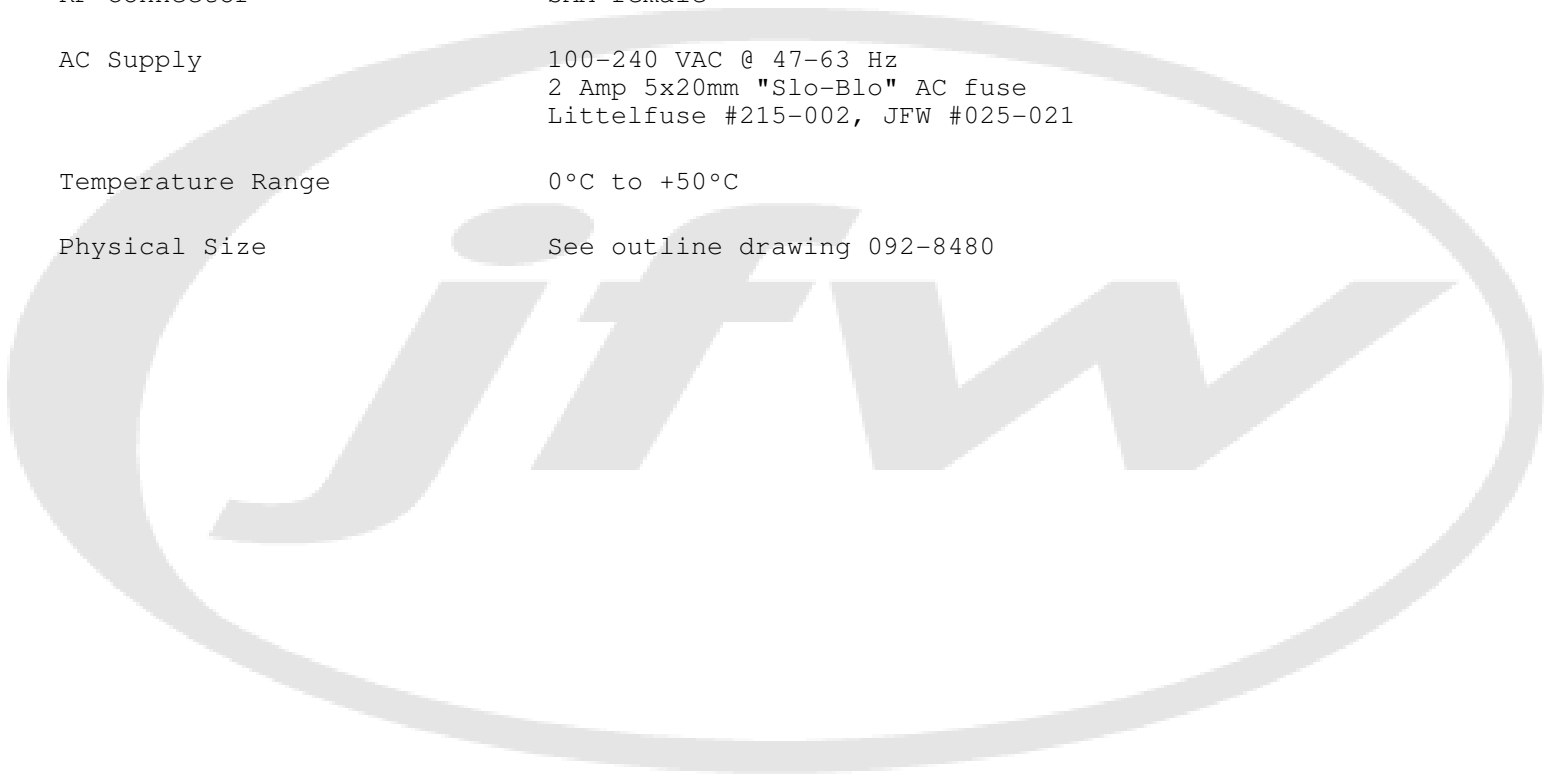
100-240 VAC @ 47-63 Hz  
 2 Amp 5x20mm "Slo-Blo" AC fuse  
 Littelfuse #215-002, JFW #025-021

Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-8480



| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
|           | 11/18/2015 |     | CLK 11/18/2015 |           |      |     |             |
| 28159     | 10/05/2017 | A   | CLK 10/05/2017 |           |      |     |             |