

**SPECIFICATION SHEET**  
**JFW MODEL 50PA-717**  
**LC HANDOVER TEST SYSTEM**

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

|  |  |
|--|--|
| Frequency Range                                | 2-6 GHz  |
| Configuration                                  | 16 X 2 LC Handover Test System<br>(See block diagram 092-7339)   |
| Enclosure Type                                 | 19 inch rack mount @ 3RU 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)                          |
| VSWR   | 1.6:1 maximum  |
| Attenuation Accuracy<br>(guaranteed monotonic) | $\pm 0.50$ dB            1-3 dB<br>$\pm 0.75$ dB            4-7 dB<br>$\pm 1.00$ dB            8-11 dB<br>$\pm 1.25$ dB or 4%    12-95 dB<br>(whichever is greater)                        |
| Insertion Loss                                 | 31 dB maximum<br>25 dB typical @ 2 GHz<br>29 dB typical @ 6 GHz  |
| Isolation                                      | 28 dB minimum (In 1-16 to In 1-16)<br>18 dB minimum (Out 1 to Out 2)   |
| RF Input Power                                 | +20 dBm average<br>+25 dBm (no damage)   |
| Switching Speed                                | 1 microsecond typical<br>(after command is received and processed)<br>(3 milliseconds typical processing time)   |
| AC Supply                                      | 100-240 VAC @ 47-63 Hz<br>2 Amp 5x20mm "Slo-Blo" AC fuse<br>Littelfuse#215-002, JFW#025-021  |
| 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 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

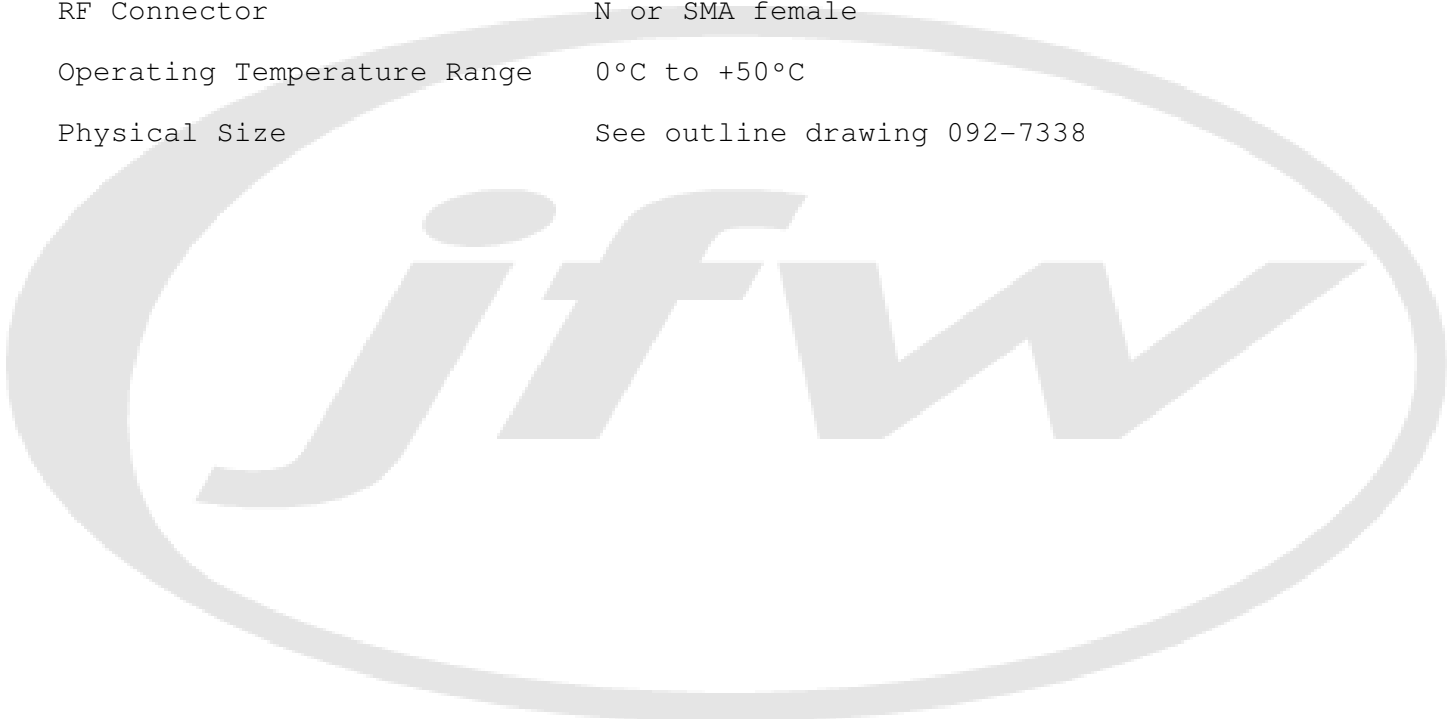
N or SMA female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-7338



| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
|           | 04/26/2012 |     | CLK 04/26/2012 |           |      |     |             |