

**SPECIFICATION SHEET**

**JFW MODEL 75PA-084**

**PROGRAMMABLE ATTENUATOR ASSEMBLY**

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

|  |   |
|--|---|
| Frequency Range                          | 5-1650 MHz  |
| Configuration                            | Four individually controlled<br>solid-state programmable attenuators  |
| Enclosure Type                           | Benchtop  |
| Impedance                                | 75 Ohms nominal   |
| Attenuation Range                        | 0-63 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                                     | 1.7:1 maximum<br>1.5:1 typical  |
| Attenuation Accuracy                     | ± 0.5 dB or 3% of programmed<br>(whichever is greater)<br>(guaranteed monotonic)  |
| Insertion Loss                           | 2.0 dB typical @ 5MHz<br>3.0 dB typical @ 1000MHz<br>4.0 dB typical @ 1650MHz<br>4.5 dB maximum 5-1650MHz   |
| RF Input Power                           | +10 dBm   |
| Switching Speed                          | 10 microseconds typical<br>(after command is received & processed)<br>(3 milliseconds typical processing time)  |
| AC Supply                                | 100-240 VAC @ 47-63 Hz<br>0.2 Amps @ 120 VAC nominal<br>0.1 Amps @ 240 VAC nominal<br>2 Amp 5x20mm "Slo-Blo" AC fuse<br>Littlefuse#215-002, JFW#025-021           |
| Remote Control                           | Ethernet (DHCP, TCP/IP, 10/100, up to 12 users)<br>RS-232 (up to 115,200 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

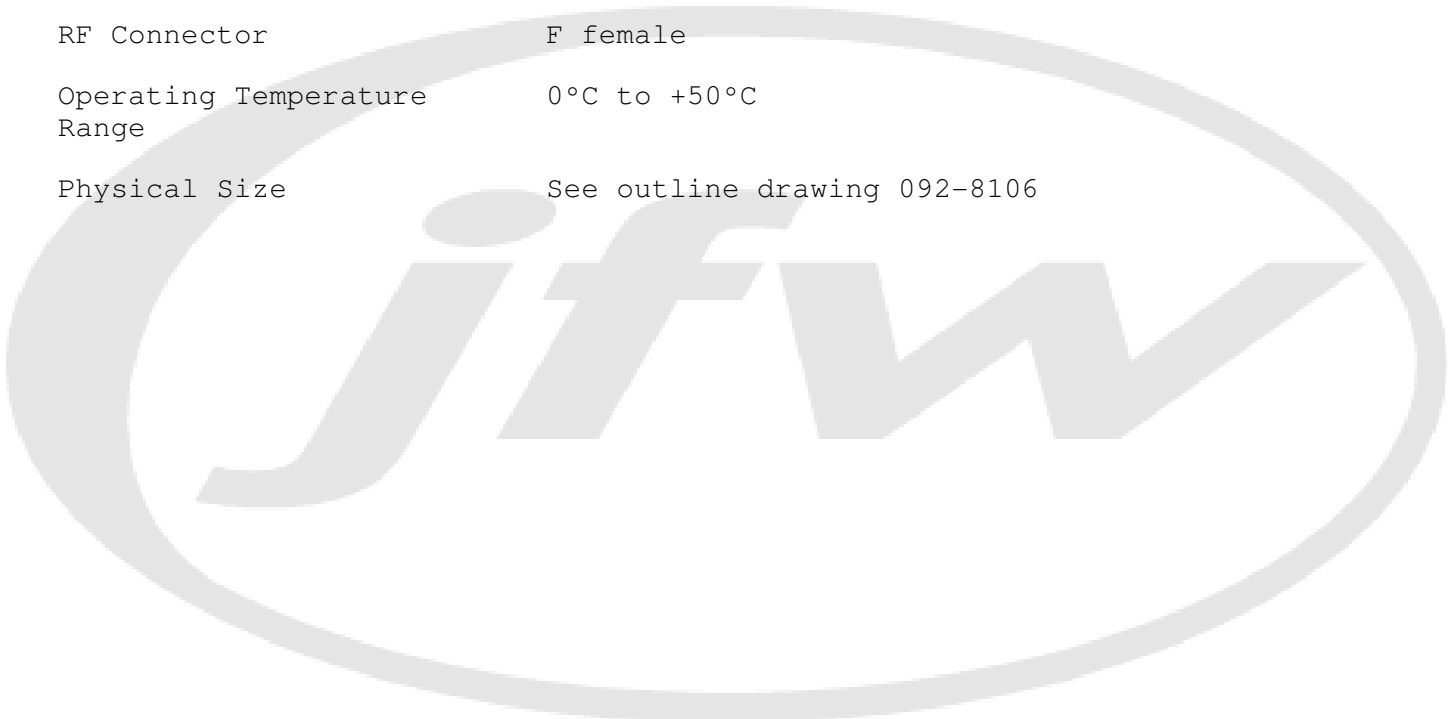
F female

Operating Temperature Range

0°C to +50°C

Physical Size

See outline drawing 092-8106



| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
|           | 09/30/2014 |     | CLK 09/30/2014 |           |      |     |             |