

**SPECIFICATION SHEET****JFW MODEL 50P-077****RELAY PROGRAMMABLE ATTENUATOR**

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

|                             |  |
|-----------------------------|--|
| Frequency Range             | DC-1000 MHz  |
| Impedance                   | 50 Ohms nominal  |
| Attenuation Range           | 0-63 dB in 1 dB steps  |
| Attenuation Steps           | 1, 2, 4, 8, 16, and 32 dB  |
| VSWR                        | 1.4:1 maximum  |
| Attenuation Accuracy        | 1, 2, 4, 8 dB $\pm 0.2$ dB<br>16, 32 dB $\pm 0.4$ dB<br>Maximum accumulative error<br>for (0-31 dB) $\pm 0.5$ dB<br>Maximum accumulative error<br>for (32-63 dB) $\pm 0.75$ dB |
| Insertion Loss              | 2.5 dB maximum   |
| RF Input Power              | 1 Watt average   |
| Switching Speed             | 6 milliseconds   |
| Control                     | +12 Vdc @ 30 mA per relay  |
| DC Connector                | Solder Terminals   |
| RF Connector                | BNC, TNC, N, or SMA  |
| Operating Temperature Range | -20°C to +85°C   |
| Physical Size               | See outline drawing 092-5743-01  |

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE       | REV | APPR / DATE    |
|-----------|------------|-----|----------------|-----------|------------|-----|----------------|
|           | 07/28/2000 |     |                | 15570     | 03/19/2008 | C   | CLK 03/19/2008 |
| 9999      | 08/23/2002 | A   | TRS 08/28/2002 |           |            |     |                |
| 14364     | 07/07/2007 | B   | TRS 07/06/2007 |           |            |     |                |