

**SPECIFICATION SHEET**  
**JFW MODEL 50P-1179**  
**RELAY PROGRAMMABLE ATTENUATOR**

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|                             |  |
|-----------------------------|--|
| Frequency Range             | DC-2000 MHz                                  |
| Impedance                   | 50 Ohms nominal                              |
| Attenuation Range           | 0-15 dB in 1 dB steps                        |
| Attenuation Steps           | 1, 2, 4 and 8 dB                             |
| VSWR                        | 1.4:1 maximum                                |
| Attenuation Accuracy        | ± .3 dB DC-1000 MHz<br>± .5 dB 1000-2000 MHz |
| Insertion Loss              | 2.0 dB at 2000 MHz                           |
| RF Input Power              | 1 Watt average                               |
| Switching Speed             | 6 milliseconds                               |
| Control                     | +12 Vdc at 30 mA per relay                   |
| DC Connector                | .040 Diameter solder terminals               |
| RF Connector                | SMA female                                   |
| Operating Temperature Range | -20°C to +85°C                               |
| Physical Size               | See outline drawing 092-2417                 |

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------|-----|-------------|
| 1063      | 05/01/1998 | A   |                |           |      |     |             |
| 9999      | 09/25/2002 | B   | TRS 10/01/2002 |           |      |     |             |