

**SPECIFICATION SHEET**

**JFW MODEL 50P-2055**

**SOLID STATE PROGRAMMABLE ATTENUATOR**

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|  |   |            |
|--|---|------------|
| Frequency Range  | 20-3000 MHz   |            |
| Impedance  | 50 Ohms nominal   |            |
| Attenuation Range  | 0-95.5 dB in 0.5 dB steps   |            |
| Attenuation Steps  | 0.5, 1, 2, 4, 8, 16, 32 and 32 dB   |            |
| VSWR   | 1.7:1 maximum   |            |
| Attenuation Accuracy<br>(guaranteed monotonic)                       | ± 0.25 dB   | 0.5-7.5 dB |
|  | ± 0.50 dB   | 8-15.5 dB  |
|  | ± 0.75 dB   | 16-63.5 dB |
|  | ± 1.00 dB   | 64-95.5 dB |
| Insertion Loss   | 6 dB maximum<br>3.0 dB typical @ 20 MHz<br>5.5 dB typical @ 3000 MHz  |            |
| RF Input Power   | +27 dBm (operating)   |            |
| Switching Speed  | 4 microseconds maximum<br>< 1 microsecond typical   |            |
| DC Supply  | +5Vdc @ 2mA nominal   |            |
| Control  | USB control   |            |
| Test Software<br>(Microsoft .NET 4.0+)<br>(Windows Vista or greater) | The included JFW software allows control of multiple USB devices.<br><br>JFW managed library available for development in user made applications. |            |
| DC Connector   | USB MINI-B<br>6' USB A to USB Mini-B Cable Included   |            |
| RF Connector   | SMA female  |            |
| Operating Temperature Range  | -40°C to +85°C  |            |
| Physical Size  | See outline drawings 092-8062   |            |

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE | REV | APPR / DATE |
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