

**SPECIFICATION SHEET****JFW MODEL 50P-809****SOLID STATE PROGRAMMABLE ATTENUATOR**

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|                            |                                                        |
|----------------------------|--------------------------------------------------------|
| Frequency Range            | 800-1000 MHz                                           |
| Impedance                  | 50 Ohms nominal                                        |
| Attenuation Range          | 0-127 dB in 1 dB steps                                 |
| Attenuation Steps          | 1, 2, 4, 8, 16, 32, and 64 dB                          |
| VSWR                       | 1.5:1 maximum                                          |
| Attenuation Accuracy       | ± .4 dB or 2%<br>(whichever is greater)                |
| Insertion Loss             | 3.5 dB nominal                                         |
| Insertion Loss Flatness    | ± .3 dB maximum                                        |
| RF Input Power             | +15 dBm average<br>+30 dBm (1 dB compression)          |
| Intermodulation Distortion | 3rd Order Input Intercept<br>+40 dBm minimum           |
| Video Transients           | 10 mV maximum<br>(into 50 Ohm load)                    |
| Strobe/Minimum Pulsewidth  | 1 microsecond edge triggered on Low to High transition |
| Switching Speed            | 5 microseconds                                         |
| DC Supply                  | +5 Vdc @ 200 mA<br>-5 Vdc @ 200 mA                     |
| Control Logic (7 Lines)    | TTL Low for Thru Path<br>TTL High for Attenuation      |
| DC Connector               | T & B #609-1007                                        |
| DC Power Connector         | Molex #22-12-2044                                      |
| RF Connector               | SMA female                                             |
| Physical Size              | See outline drawing 092-2089                           |

| ECR/ECN # | DATE       | REV | APPR / DATE | ECR/ECN # | DATE       | REV | APPR / DATE    |
|-----------|------------|-----|-------------|-----------|------------|-----|----------------|
| 183       | 11/18/1993 | A   |             | 448       | 07/13/1995 | D   |                |
| 365       | 12/21/1994 | B   |             | 9999      | 10/27/2002 | E   | TRS 12/12/2002 |
| 370       | 01/10/1995 | C   |             |           |            |     |                |