

**SPECIFICATION SHEET****JFW MODEL 50P-1867****SOLID STATE PROGRAMMABLE ATTENUATOR**

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| Frequency Range                                | 30-3000 MHz  |
| Impedance                                      | 50 Ohms nominal  |
| Attenuation Range                              | 0-31.75 dB in 0.25 dB steps  |
| Attenuation Steps                              | 0.25, 0.5, 1, 2, 4, 8 and 16 dB  |
| VSWR   | 1.5:1 maximum  |
| Attenuation Accuracy<br>(guaranteed monotonic) | ± 0.10 dB            0.25-1.0 dB<br>± 0.25 dB            1.25-8.0 dB<br>± 0.50 dB or 2%    8.25-31.75 dB<br>(whichever is greater) |
| Insertion Loss                                 | 2.5 dB maximum<br>1.1 dB typical @ 30 MHz<br>1.7 dB typical @ 3000 MHz   |
| RF Input Power                                 | +27 dBm (operating)<br>+33 dBm (no damage)   |
| Switching Speed                                | 3 microseconds maximum<br>0.7 microseconds typical   |
| DC Supply                                      | +5Vdc @ 2mA nominal  |
| Control Logic (7 Lines)                        | TTL Low for Thru Path<br>TTL High for Attenuation  |
| RF Connector                                   | SMA  |
| Operating Temperature Range                    | -40°C to +85°C   |
| Physical Size                                  | See outline drawing:<br>092-7462-15 (SMA)<br>092-7462-16 (SMA Male/Female)   |

| ECR/ECN # | DATE       | REV | APPR / DATE    | ECR/ECN # | DATE       | REV | APPR / DATE    |
|-----------|------------|-----|----------------|-----------|------------|-----|----------------|
| 17918     | 11/24/2009 | A   | CLK 11/24/2009 | 22505     | 02/27/2013 | D   | CLK 02/27/2013 |
| 18190     | 01/26/2010 | B   | CLK 01/26/2010 | 28278     | 11/22/2017 | E   | CLK 11/22/2017 |
| 19051     | 08/25/2010 | C   | CLK 08/25/2010 | 28312     | 12/06/2017 | F   | CLK 12/06/2017 |