

SPECIFICATION SHEET

JFW MODEL 50P-1851

SOLID STATE PROGRAMMABLE ATTENUATOR

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Frequency Range 200-6000 MHz

Impedance 50 Ohms nominal

Attenuation Range 0-63.5 dB in 0.5 dB steps

Attenuation Steps 0.5, 1, 2, 4, 8, 16 and 32 dB

VSWR 1.8:1 maximum
< 1.6:1 typical

Attenuation Accuracy (guaranteed monotonic) ± 0.50 dB 0.5-7.5 dB
± 0.75 dB 8.0-15.5 dB
± 1.00 dB or 3% 16.0-63.5 dB
(whichever is greater)

Insertion Loss 6.0 dB maximum
2.3 dB typical @ 200 MHz
2.5 dB typical @ 800 MHz
3.1 dB typical @ 2000 MHz
5.4 dB typical @ 6000 MHz

RF Input Power +28 dBm (operating)
+34 dBm (no damage)

Switching Speed 3 microseconds maximum
< 1 microsecond typical

DC Supply +5Vdc @ 2mA nominal

Control Logic (7 Lines) TTL Low for Thru Path
TTL High for Attenuation

DC Connector 3M #D2510-6002
(Mating Connector 3M #3473-6610)

RF Connector SMA

Operating Temperature Range -40°C to +85°C

Physical Size See outline drawing:
092-7462-07 (SMA)
092-7462-08 (SMA Male/Female)

| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------------|-----|----------------|
| 20539 | 09/07/2011 | D | CLK 09/07/2011 | 27244 | 11/09/2016 | G | CLK 11/09/2016 |
| 22505 | 02/27/2013 | E | CLK 02/27/2013 | 27615 | 02/28/2017 | H | CLK 02/28/2017 |
| 27058 | 09/13/2016 | F | CLK 09/13/2016 | 29124 | 11/06/2018 | I | CLK 11/06/2018 |