

SPECIFICATION SHEET

JFW MODEL 50P-1855

SOLID STATE PROGRAMMABLE ATTENUATOR

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|--|--|--------------|
| Frequency Range | 200-6000 MHz | |
| Impedance | 50 Ohms nominal | |
| Attenuation Range | 0-31.5 dB in 0.5 dB steps | |
| Attenuation Steps | 0.5, 1, 2, 4, 8 and 16 dB | |
| VSWR | 1.7:1 maximum | |
| Attenuation Accuracy (guaranteed monotonic) | ± 0.25 dB | 0.5-3.5 dB |
| | ± 0.50 dB | 4.0-7.5 dB |
| | ± 1.00 dB | 8.0-11.5 dB |
| | ± 1.25 dB | 12.0-31.5 dB |
| Insertion Loss | 3.5 dB maximum | |
| RF Input Power* | +27 dBm (operating) +33 dBm (no damage) | |
| Switching Speed | 3 microseconds maximum 0.7 microseconds 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: 092-7462-11 (SMA) 092-7462-12 (SMA Male/Female) | |

* Units shipped before 10/20/2017 (date code 1742) are only rated at +20dBm maximum. The JFW date code is a four digit code (YYWW) that follows the six digit serial number. For example date code 1908 is the 8th week of 2019.

| ECR/ECN # | DATE | REV | APPR / DATE | ECR/ECN # | DATE | REV | APPR / DATE |
|-----------|------------|-----|----------------|-----------|------------|-----|----------------|
| 20539 | 09/07/2011 | E | CLK 09/07/2011 | 28200 | 10/20/2017 | H | CLK 10/20/2017 |
| 22505 | 02/27/2013 | F | CLK 02/27/2013 | 29124 | 11/06/2018 | I | CLK 11/06/2018 |
| 27641 | 03/13/2017 | G | CLK 03/13/2017 | 29857 | 10/02/2019 | J | TRS 10/02/2019 |