The 2082-1848 DC Power Supply is a DC voltage Power Supply used for SSPB and LNB applications. DC Power is inserted via two L-Band loop-throughs. A +48 VDC, 5A output is provided on the SSPB “RF + DC” output and a +18 VDC, 1A output is provided on the LNB “RF + DC” output. Two front panel locking toggle switches allow the user to disable the DC power insertion on either or both outputs. Each DC power source is fused using rear panel mount fuse holders. Front panel LEDs indicate AC power (green), and front panel LED’s (green) and rear panel LEDs (yellow) indicate the presence of voltage on either RF1 or RF2. Connectors are TNC female for both loop-throughs. The unit is powered by a 100-240 ±10% VAC, 47-63 Hz supply, and housed in a 19.0”, 1RU x 1.75”H x 7.75”D chassis.

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**2082-1848 Front and Rear Panels**

### L-Band Insertion

**RF Input/Output Characteristics**

- Impedance/Return Loss: 50Ω /10 dB minimum
- Frequency: 950 - 2150 MHz and 10MHz
- Insertion Loss: 1 ± 0.5 dB (L-Band)
- 1dB max. (10 MHz)
- Frequency Response: ±1.0 dB, 950 - 2150 MHz;
  ± 0.5 dB, 36 MHz BW

**DC Power Characteristics**

- Voltage/Current, PS1/RF1: +48 VDC, 5 A, max.
- Voltage/Current, PS2/RF2: +18 VDC, 1 A, max.
- Call for other voltages: ± 5 %

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**Chassis/Other**

**Controls, Indicators**

- PS1 On/Off: FP SPST Locking Toggle switch
- PS2 On/Off: FP SPST Locking Toggle switch
- PS1, PS2, Gnd FP Test Points (10k impedance)
- AC Power (PS1 and PS2): FP Green LED
- VDC on RF1/RF2: RP Yellow LEDs
- VDC on RF1/RF2: FP Green LEDs

**Other**

- RF Connectors: TNC, 50Ω (female)
- Call for other connectors
- Size: 19 inch, 1RU, 1.75”H X 7.75”D
- Power, PS1 + PS2: 100-240 ±10 VAC,
  47-63 Hz, 350W

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*10°C to 40°C; Specifications subject to change without notice