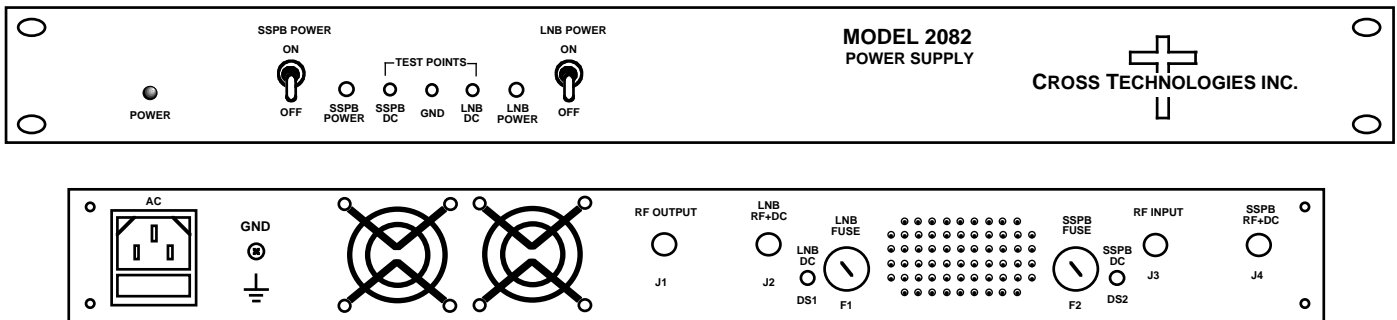


## 2082-1848 DC Power Supply

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  $\pm$ 10% VAC, 47-63 Hz supply, and housed in a 19.0", 1RU x 1.75"H x 7.75"D chassis.



**2082-1848 Front and Rear Panels**

### EQUIPMENT SPECIFICATIONS\*

----- L-Band Insertion-----

**RF Input/Output Characteristics**

Impedance/Return Loss	50 $\Omega$ /10 dB minimum
Frequency	950 - 2150 MHz and 10MHz
Insertion Loss	1 $\pm$ 0.5 dB (L-Band) 1dB max. (10 MHz)
Frequency Response	$\pm$ 1.0 dB, 950 - 2150 MHz; $\pm$ 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	
Load Regulation	$\pm$ 5 %

-----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, 50 $\Omega$ (female)
Call for other connectors	
Size	19 inch, 1RU, 1.75"H X 7.75"D
Power, PS1 + PS2	100-240 $\pm$ 10 VAC, 47-63 Hz, 350W

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

