



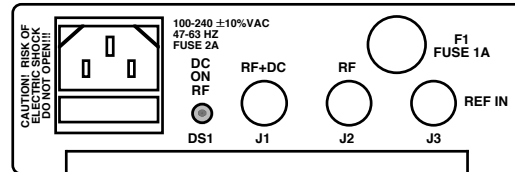
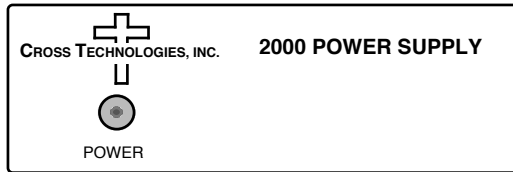
# DATA SHEET

Rev. D  
05/06/13

## 2000-2XX LNB Power Supply

2000-212 +12V, 1A • 2000-215 +15V, 1A • 2000-218 +18V, 0.5A • 2000-224 +24V, 1A

The 2000-2XX LNB Power Supply is a switching power supply which provides either regulated **+12 VDC (-212) at 1 amp**, **+15 VDC (-215) at 1 amp**, **+18 VDC (-218) at 0.5 amps** *OR* **+24 VDC (-224) at 1 amp** through RF connectors for insertion on an RF line. Also provided is a BNC connector for insertion of a 10 MHz reference signal on the RF line. The input AC connector is IEC 320 C13. The 2000-2XX is powered by a 100-240 ± 10% VAC power supply and can be mounted on an optional 1 3/4" x 19" rack mount panel (option R, R2, or R3).



**Front and Rear Panels**

### EQUIPMENT SPECIFICATIONS\*

#### RF Input/Output Characteristics

Impedance/Return Loss	75Ω/14 dB
Frequency	950 - 2150 MHz
Insertion Loss	1 ± 0.5 dB
Frequency Response	±1.0 dB

#### AC Input Characteristics

Voltage	100 - 240 ±10% VAC
Frequency	47 - 63 Hz
Power, maximum	20 watts

#### DC Output Characteristics

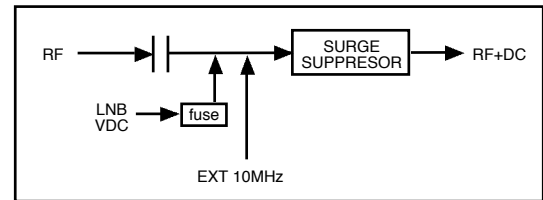
Voltage / Current	<b>+12 VDC/ 1 amp (Model 2000-212)</b> <b>+15 VDC/ 1 amp (Model 2000-215)</b> <b>+18 VDC/ 0.5 amps (Model 2000-218)</b> <b>+24 VDC/ 1 amp (Model 2000-224)</b>
Load Regulation, max.	± 5%
Power Supply type	Switcher
Switching Frequency	50 kHz, typical

#### Indicators

DC Power (front)	Green LED
DC Power Insertion (rear)	Yellow LED

#### Other

AC Input Connector	IEC 320 C13
RF Connectors	Type F (female)
10MHz REF Connector	BNC (female), <b>75Ω, works with 50 or 75 ohms</b>
Size, Bench Top	4.7" wide x 1.75" high x 8.5" deep
Size, Rack Mount	19 inch standard chassis 1.75" high x 9.0" deep (option R)



**Block Diagram**

#### Available Options

- R - Rack Mount Panel (1 position)
- R2 - Rack Mount Panel (2 positions)
- R3 - Rack Mount Panel (3 positions)

#### Connectors/Impedance (In & Out)

- Std. - 75Ω Type F
- B - 75Ω BNC
- D - 50Ω BNC

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

