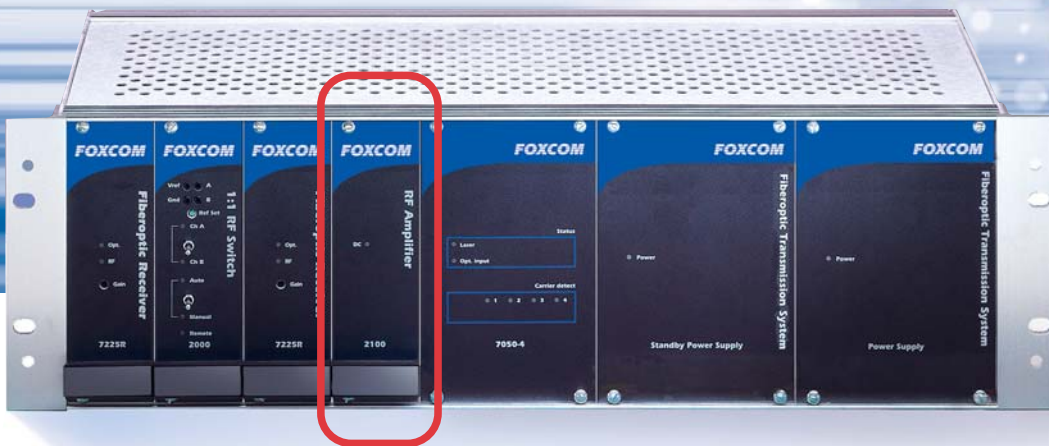


# Model 2100

## RF Amplifier

- Covers the entire frequency band of Sat-Light products (10 - 2900 MHz)
- High gain output  
High output 1dB compression point: +15 dB
- Short/open protection
- Unity gain for long distance transmission
- Monitor RSSI via DC voltage



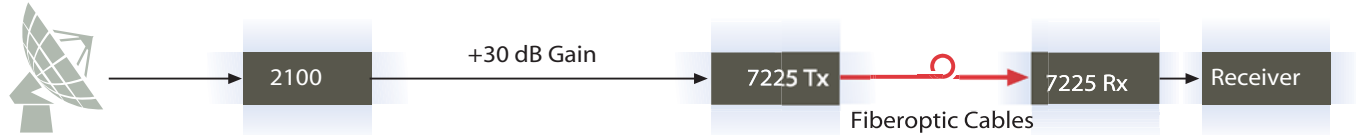
### SATLIGHT - High Performance, Cost Effective Interfacility Links

The Model 2100 is 75 Ohm 30 dB amplifier with a high first order intercept point and a high power output at the 1 dB compression point. The Model 2100 covers the whole Sat-Light RF frequency range from 10 - 2900 MHz.

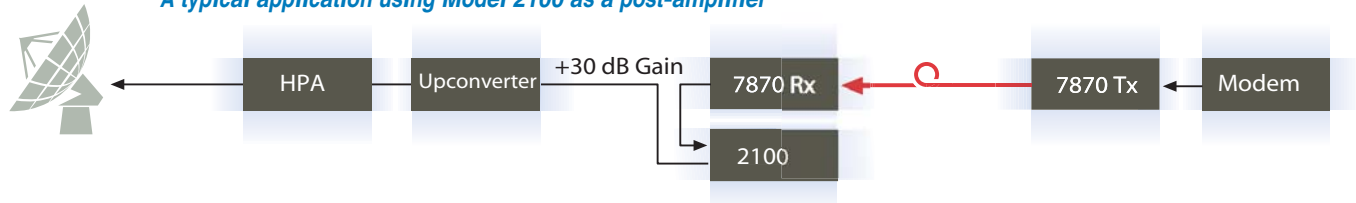
The Model 2100 RF Amplifier provides the capability to integrate a pre or post amplifier as a part of the IFL system. Using the Model 2100 allows a full system solution with guaranteed overall system performance over long distances. Used as a pre-amplifier the Model 2100 helps insure a high S/N. Used as a post amplifier, the Model 2100 assures a constant high signal level. Using the 2100, the RSSI can be monitored via the DC voltage.

Foxcom's Sat-Light equipment is used as an Interfacility Link (IFK) in gateway sites, connecting hub equipment to remote antennas. The Model 2100 RF Amplifier is one of the RF accessories for Sat-Light products, providing a complete solution for your link.

### A typical application using Model 2100 as a pre-amplifier



### A typical application using Model 2100 as a post-amplifier



RF Specifications			
Frequency Response	10 - 200 MHz	200 - 950 MHz	950 - 2400 MHz
Gain	30 ± 2 dB	30 ± 2 dB	30 ± 2 dB
Flatness @ Full Band	± 0.2 dB	± 0.5 dB	± 1.5 dB
Flatness @ any 100 MHz	± 0.1 dB	± 0.3 dB	± 1.0 dB
Return Loss	18 dB	16 dB	13 dB
Po 1 dB	8 dBm (min.)	10 dBm (min.)	12 dBm (min.)
Noise Figure	6 dB (max.)	6 dB (max.)	6 dB (max.)
Group Delay	2 nsec (max.)	2 nsec (max.)	2 nsec (max.)
Group Delay Variation @ any 36 MHz	± 0.1 nsec (max.)	± 0.1 nsec (max.)	± 0.1 nsec (max.)
Maximum Input Power	+20 dBm		

Physical Specifications	
Operating Temperature	-20 to +60° C
Storing Temperature	-40 to +85° C
Maximum Humidity	95%
Size	5.1" x 4.9" x 1.6"
DC Power	15V @ 200 mA (max.)

## Ordering Information

Model	
2100	Standard Unit (F-type connector)
-50	50 Ohm BNC Connector
-75	75 Ohm BNC Connector

