

Model 4100

Full Ku-Band Downconverter

The Model 4100 is a full Ku-band Downconverter, selectable in two sub-bands through front panel control or remotely over monitor and control bus.

The Model 4100 accepts an input frequency range of 10.7 GHz to 12.75 GHz, and supplies an output frequency range of 950 - 2000 MHz in two bands.

Form "C" relay contacts provide Fault Alarm output. A front panel LCD displays operating band, and normal or alarm status.

Specifications

Input Frequency:	10.7 - 12.75 GHz
Input Level	-50 to -100 dBm typical
Gain	nominal 10 dB
Input Frequency Range	
Band 1 Input	10.7 - 11.7 GHz
Band 2 Input	11.7 - 12.75 GHz
Output Frequency Range	
Band 1 Output	950 - 1950 MHz
Band 2 Output	950 - 2000 MHz
Internal LO frequency	
Band 1	9.75 GHz
Band 2	10.75 GHz
Input Connector	Type "SMA" Female, 50 ohm
	Optional Type "N" Female, 50 ohm
Output Connector	Type "F" Female, 75 ohm
Alarms	Form-C relay contacts

MECHANICAL:

Alarm Connector

Modular socket & plug

Remote Monitor and Control serial interface is supported.

DIMENSIONS

1 RU, 19" x 16" x 1.75"

POWER:

90-260 VAC, 47-63 Hz, auto-sensing, 45 Watts Max

WEIGHT:

10 Lbs



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Monitor and Control

- RS-232 / RS-485 are both included and selected via front panel menu options.
- Available baud rates of 1200, 2400, 4800, 9600 and 19200 are selected via front panel menu options.
- Extended RS-485 addressing range of hexadecimal 01 - FF.
- Remote Port polling active in Local Mode.

Valid Options

Input Connector

- N 50 ohm N female connector.
 S 50 ohm SMA-female connector.

Other Frequency Ranges are available.

Please see <http://www.satsyscorp.com> for more information.

Part Numbering Typical part number 4100-S

Base Model	Input Conn
4100	N or S

