



Satellite Systems Corporation

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Model 4500

L-Band to 70 MHz Downconverter



The Model 4500 Downconverter is designed to down convert a 950-1525 MHz frequency band to a 52 to 88 MHz IF signal.

- C Full agility on 1 MHz steps across the full 575 MHz band
- C Switchable between Ku-band (non-inverted) and C-band (inverted)

Specifications

Input frequency	950 to 1525 MHz
Output frequency	52 to 88 MHz
Output bandwidth	36 MHz
Spectrum	Inverted or non-inverted
Frequency tuning	1 MHz steps
Input impedance	75 ohm
Output impedance	50 ohm
Input Level	-40 to -75 dBm
Output Level	-15 to -45 dBm (Max gain)
Gain Control	> 25 db adjustment range
Level stability	± 1.5 dB typical, ± 3.0 dB max (in any 36 MHz band)
L.O. Reference	10 MHz internal
Frequency stability	1.0 ppm
Phase noise	> 75dB/Hz @ 1 kHz from carrier
Noise Figure	< 14 dB
Input connector	F - Female, 75 ohm
Output connector	BNC - Female, 50 ohm
Prime Input Power	90 - 260 VAC, 47 - 63 Hz, Auto-sensing, 45 Watts Max
Optional DC Power	Contact factory for availability
LNB Power	+22 VDC, jumper in/out
Dimensions	1 RU, 19" x 16" x 1.75"
Weight	13 lbs
Alarm output	Form-C relay
Operating temperature	-10° to +50° C

Monitor and Control

Connector	DB-9, Female
Interface	RS-232 or RS-485 (4-wire)
Address Selection	Soft addressing, front panel selectable

Other Frequency Ranges and Gain Configurations are available.

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

