

Model 4510

L-Band to 70 MHz Downconverter



The Model 4510 Downconverter is designed to down convert a 950-1500 MHz frequency band to a 61 to 79 MHz IF signal.

- Custom-tuned for less than 0.6 dB passband ripple over any 18 MHz range across the full 550 MHz band.
- Specifically optimized for TDMA applications.

Specifications

Input frequency	950 to 1500 MHz
Output frequency	61 to 79 MHz
Output bandwidth	18 MHz
Spectrum	Ku-band (non-inverted)
Frequency tuning	1 MHz steps
Input impedance	75 ohm
Output impedance	50 ohm
Input Level	-30 to +10 dBm
Output Level	-30 to +10 dBm
Gain Control	> 25 db adjustment range
Level stability	± 0.3 dB typical, ± 0.6 dB max (in any 18 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
Dimensions	1 RU, 19" x 16" x 1.75"
Alarm output	Form-C relay
Operating temperature	-10o to +50o 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.



Satellite Systems Corporation
 101 Malibu Drive Virginia Beach, VA 23452 USA
 Voice (757) 463-3553 Fax (757) 463-3891
sales@satsyscorp.com