

Model 5425

70 MHz to L-Band Upconverter

For applications requiring Outdoor RF Head



The Model 5425 dual synthesized 70 MHz to L-band Upconverter is designed for use with L-band input, block up converters. 10 MHz reference and 24 VDC power are multiplexed on the output to power the BUC RF Head. The frequency stability and phase noise characteristics of the Model 5425 Up Converter are suitable for fractional T-1 digital SCPC Carriers.

Specifications

Input Frequency	52 - 88 MHz
Output Frequency	950 - 1450 MHz
Frequency Sense	(non-inverted, filtered)
Input impedance	75 ohm
Output impedance	50 ohm
Input Level	-25 dBm
Output Level	0 dBm max, -29 dBm min
Gain	25 dB maximum
Level stability	±2 dB maximum (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
Third Order Distortion	>40 dBc for Two Carriers at -10 dBm Output Power
IF level adjust	Local or Remote
Sum Alarm output	Relay, Form C
Input connector	BNC - Female, 75 ohm
Output connector	Type N - Female, 50 ohm
Prime Input Power	90 - 260 VAC, 47 - 63 Hz, Auto-sensing, 110 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
Power supplied to RF Head	24 Volts DC, 65 watts
Reference to RF Head	10 MHz, -5 dBm nominal
Monitor and Control Connector	DB-9, Female
Monitor and Control Interface (must be specified when ordering)	RS-232 or RS-485

For applications without outdoor RF head, see Model 5420.

Other Frequency Ranges and Models 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