Model 5420
70 MHz to L-Band Upconverter
For applications not using Outdoor RF Head

The Model 5420 dual synthesized 70 MHz to L-band Upconverter is designed for use without block up converters. The frequency stability and phase noise characteristics of the Model 5420 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, 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
Power supplied to RF Head	N/A (See model 5425)
Reference to RF Head	N/A (See model 5425)
Monitor and Control Connector	DB-9, Female
Monitor and Control Interface (must be specified when ordering)	RS-232 or RS-485

For applications requiring outdoor RF head, see Model 5425.

Other Frequency Ranges and Models are available.

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

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