

Model 4421 L-band to 70 Mhz Downconverter

Enjoy dramatic cost savings; use PLL LNBs with 70MHz Modems



The Model 4421 dual synthesized L-band to 70 MHz Downconverter is specifically designed for use with C-band phase locked loop LNBs. The frequency stability and phase noise characteristics of the Model 4421 Downconverter are ideal for compressed digital audio carriers. The superior phase noise characteristics of the Model 4421 facilitate data rates as low as 19.2 kbps.

Unit Specifications

Input Frequency	950 - 1450 MHz
Output frequency	52 to 88 MHz
Input impedance	75 ohm
Output impedance	50 ohm
Gain	25 dB, maximum
Level stability	±2 dB, maximum
Frequency stability	±2 ppm
Frequency sense	Inverted
Phase noise	> 70dB/Hz, 1 kHz from carrier
Image rejection	> 40 dB over input frequency range
Frequency tuning	Transponder 1 - 24
IF level adjust	Front panel
Indicators	LED for loss-of-lock Sum alarm Local/Remote Mode
Alarm output	Form C, relay (LNB Power)
Input connector	Type-F, Female, 75 ohm
Output connector	Type-BNC, Female, 50 ohm
LNB power	+22 VDC, on input connector (strappable in/out)
Dimensions	1 RU, 19" x 12" x 1.75"
Prime Input Power	90-260 VAC, 47-63 Hz, auto-sensing, 45 Watts max
Operating temperature	-10° to +50° C

FEATURES

Frequency tuning is available on 24 transponder center frequencies

Power for the PLL LNB is provided on the RF center conductor

Also Available:

- Model 4500 Downconverter
- Model 4510 Downconverter
- Model 5420 Upconverter
- Model 5425 Upconverter

Model 4421 Monitor and Control:

Connector	DB-9, Female
Interface	RS-232



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