

70MHz to L Band Upconverter

- Upconverts modulator output to receiver IF frequency.
- Fixed frequency, low phase noise LO.
- 70MHz or 140MHz input, 50 or 75 ohm.
- Choice of L band output frequencies.



Description

The Global Professional 70MHz to L Band Upconverter enables monitoring of 70 or 140MHz bus of uplink and downlink stations using an inexpensive, L band input receiver.

It is equally suitable for use with analogue or digital broadcasts.

Specification

Input centre Frequency (MHz)	70 - 140 MHz
Output Frequency	70 or 140 MHz +/- LO frequency
Conversion Loss	15 +/- 2 dB
Frequency Response	+/- 0.5dB max over +/- 20 MHz
O/P 3rd order inter. point	-8 dB
LO Frequency	930 MHz option A 1000 MHz option B 1070 MHz option C
LO Stability	+/- 2.5 MHz for +5 to +40 Centigrade
Phase Noise	-80 dBc / Hz @ 10 KHz
LO Level @ Output	-35 dBm
Input Impedance	50 ohm or 75 ohm
Output Impedance	75 ohm
Input Return Loss	20 dB
Output Return Loss	10 dB
Current Consumption	45 mA
Input Attenuator	10 dB
Connectors	50 ohm or 75 ohm BNC input, F or N