



**70MHz to L Band Upconverter**

**P/N (see table below)**

**Description**

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

The unit is available in a number of fixed LO frequencies offering a choice of L band output frequencies and as either 50 or 75 ohm impedance.

The unit is externally powered via L band Receiver on output port.

If a range of L band output frequencies are required, we also offer a Agile Upconverter covered on a separate data sheet.



**Specifications**

Input Centre Frequency	70 –140MHz
Output Frequency	70-140MHz ±LO Freq.
Conversion Loss	15dB ±2dB
Frequency Response	±0.5dB Max over ±20MHz
Output 3rd Order Intercept Point	-8dB
LO Frequency Options	930MHz 1000MHz 1070MHz
LO Stability	±2.5MHz for +5 to +40°C
Phase Noise	-80dBc/Hz@ 10Khz
LO Level at Output	-35dBm
Input Impedance	50 ohm or 75 ohm
Output Impedance	75 ohm
Input Return Loss	20dB
Output Return Loss	10dB
Input Voltage via Receiver	13v-18v
Current Consumption	45mA
Connectors	BNC Input F or N Output
Dimensions	78mm x 67mm x 26mm
Mounting Dimensions	68mm x 57mm
Weight	200 grams
RoSH/WEEE Compliant	YES

Model No	Lo Frequency	Impedance
L-UPCONA/AFB	930MHz	50Ω
L-UPCONA/AFZ	930MHz	75Ω
L-UPCONB/AFB	1000MHz	50Ω
L-UPCONB/AFZ	1000MHz	75Ω
L-UPCONC/AFB	1070MHz	50Ω
L-UPCONC/AFZ	1070MHz	75Ω

***Other Connector configurations available upon request.***

Up Converter