

70MHz to L band Agile Upconverter

- Upconverts modulator output to receiver IF
- Synthesized, low phase noise LO
- 70MHz or 140MHz input, 50 or 75 ohm.
- Output tunable across L Band (900-2100MHz)



Description

The Global Professional Agile Upconverter is a low cost, high performance upconverter used to enable monitoring of the 70MHz output of a modulator using a low cost receiver.

Also used to generate test signals for factories and test/repair facilities and can be used with analogue or digital signals.

Specification

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|---------------------------------|---|
| - Input centre Frequency (MHz) | 70 - 140MHz |
| - LO Synthesized Frequency | 900-2100MHz |
| - Frequency Step | 1 MHz |
| - Conversion Loss | 15 +/-2dB |
| - Phase Noise | - 65dBc/Hz@ 100hz
- 80dBc/Hz @ 1KHz
- 80dBc/Hz @ 10KHz
- 105dBc/Hz @ 100KHz
120dBc MHz @ 1MHz |
| - Output Freq. Stability | +/- 2.5ppm -30 to +75c relative to +25 |
| - Recommended Input Level | - 10dBm to -20dBm |
| - Phase Noise | - 80dBc/Hz @ 10KHz |
| - Alarms | phase lock Fail |
| - Additional LO Output (option) | 7.5dBm +/- 1.5dB |
| - Output Connector type | F Type female |
| - Input Connector type | BNC |
| - Power Supply | 24v@0.12 amps |
| - Power Supply Connector | 2.1mm socket |