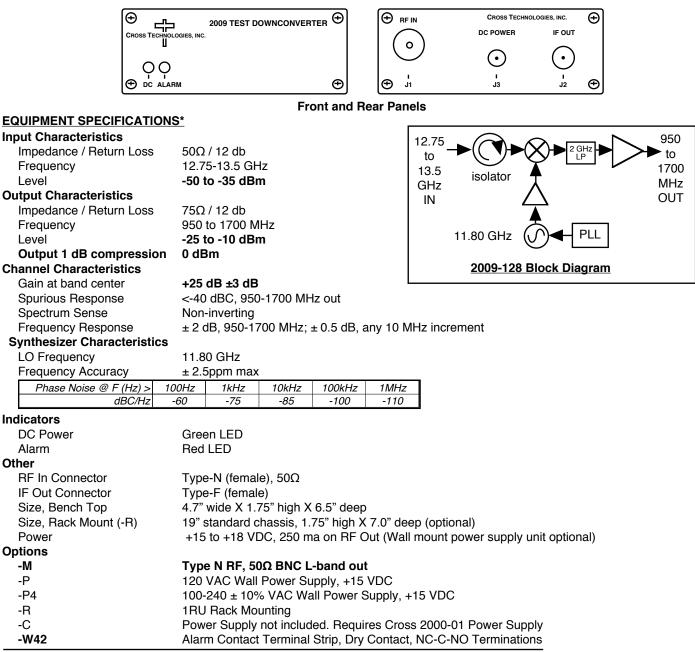
## 

## DATA SHEET

**Rev. 0** 09/20/17

## 2009-128 Downconverter, 12.75 - 13.5 GHz

The 2009-128 Downconverter converts a 12.75 - 13.5 GHz signal to 950 - 1700 MHz with a low side local oscillator (LO) (non-inverted spectrum) for loop-back applications. Featuring low phase noise and high stability, this unit is **used to down convert "clean" (having only this frequency)** 12.75 - 13.5 GHz signals to 950 - 1700 MHz **for loop back purposes**. The 12.75 - 13.5 GHz input is mixed with a synthesized local oscillator (LO) signal to 950 - 1700 MHz. The mixer output is applied to the output **amplifier** providing a nominal gain of **+25 dB**. Connectors are 75 $\Omega$  type-F (female) for the 950 - 1700 MHz output and 50 $\Omega$  type-N (female) for the RF input. Front panel LEDs light when DC power is applied (green) and when a PLL alarm occurs (red). DC power is provided by the LNB voltage from the receiver under test or by an external wall mount power supply (**option -P or -P4**). The 2009 can be mounted on an 1 3/4" X 19" rack mount panel (**option -R**).



\*+10°C to +40°C; 2000 meters max elevation; 80% max humidity; Specifications subject to change without notice.

Cross Technologies, Inc. • www.crosstechnologies.com 6170 Shiloh Road • Alpharetta, GA 30005 • 770.886.8005 • FAX 770.886.7964