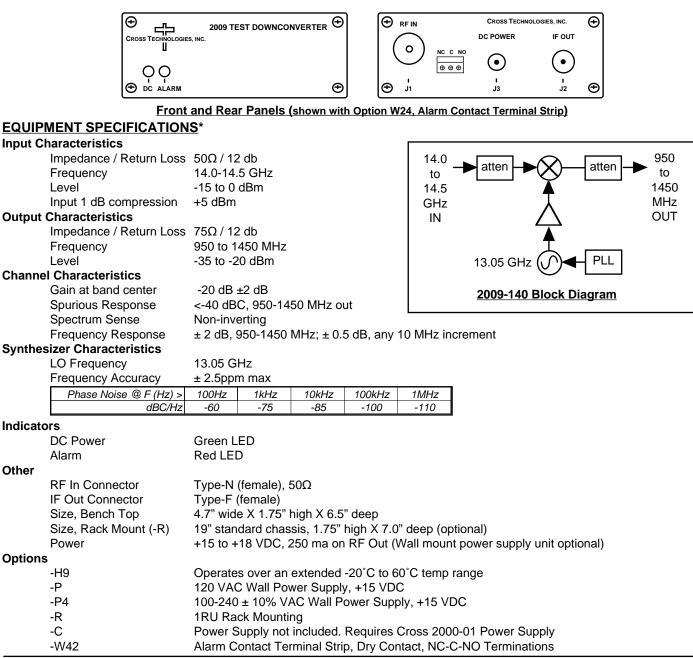


DATA SHEET Rev. H 11/16/15

2009-140 Downconverter, 14.0 - 14.5 GHz

The 2009-140 Downconverter converts a 14.0 - 14.5 GHz signal to 950 - 1450 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 downconvert "clean" (having only this frequency) 14.0 - 14.5 GHz signals to 950 - 1450 MHz for test purposes. The 14.0 - 14.5 GHz input is mixed with a synthesized local oscillator (LO) signal to 950 - 1450 MHz. The mixer output is applied to the output attenuator providing a nominal gain of -20 dB. Connectors are 75 Ω type-F (female) for the 950 - 1450 MHz output and 50 Ω 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**). **Option -H9** allows the 2009-140 to be operated over an extended -20°C to +60°C temperature range.



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

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