CROSS TECHNOLOGIES, INC.

DATA SHEET

06/09/20 REV. 0

2083-0413 Block UHF to L Translator, Fixed Frequency

2083-0413 Block UHF to L Translator - The 2083-0413 Block UHF to L Translator converts a 220-400 MHz block to 1110-1290 MHz block with no spectrum inversion, low group delay and flat frequency response. The 220-400 MHz input is mixed with synthesized local oscillator (LO) signals, first to 2070 MHz center frequency and finally to the 1110-1290 MHz block output. Multi-function switches select the gain and internal or external 10 MHz. The input frequency band, output frequency band, internal or external reference, and gain (0 to +20 dB, selectable in 1 dB steps) settings appear on the LCD display. Front panel LEDs provide indication of DC power (green), PLL alarm (red), and remote operation (yellow). Remote operation allows setting the overall gain and 10 MHz reference. Connectors are BNC female for RF input and output and for the external 10 MHz reference (+3± 3 dBm in). It is powered by a 100-240 ±10% VAC, 47-63 HZ input power supply and in a 1 3/4" X 19" X 16" rack mount chassis.



*+10 to +40 degrees C; Specifications subject to change without notice