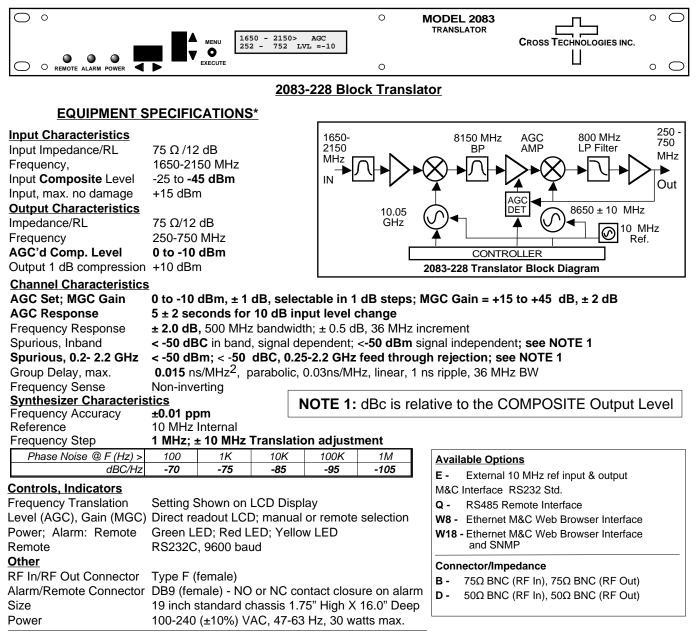


DATA SHEET

02/11/15 REV. D

2083-228 Block Translator, 1650-2150 to 250-750 MHz

<u>2083-228 Block Translator</u> - The 2083-228 Block Translator converts a 1650-2150 MHz block (out of a 250-2150 MHz composite spectrum) to 250-750 MHz block with no spectrum inversion, low group delay and flat frequency response. The 1650-2150 MHz input is filtered and translated to the 250-750 MHz block output using dual conversion. The 250-750 MHz block output is AGC'd to a composite output level that can be set for 0 to -10 dBm (AGC to \pm 2 dB of setting) in 1 dB increments. The output translation can be adjusted by \pm 10 MHz in 1 MHz increments. In Manual Gain, the gain can be set for +15 to +45 dB, \pm 2 dB. Multifunction switches select the AGC'd output level, MGC Gain and the translation frequency which appear on the LCD display and can be adjusted remotely. Front panel LEDs provide indication of DC power (green), PLL alarm (red), and remote operation (yellow). Connectors are Type F female for RF input and output. The unit is powered by a 100-240 \pm 10% VAC, 47-63 HZ input power supply and housed in a 1 3/4" X 19" X 16" rack mount chassis.



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

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