The 3116-21-137 Block Downconverter converts one of two RF bands to 0.95 - 1.75 GHz. The gain is +20 ± 2 dB maximum and is adjustable in 0.5 ± 0.5 dB steps from +20 to -10 dB. Front panel LEDs provide indication of Remote operation, PLL Alarm and DC Power. Frequency, gain and internal/external/Auto reference frequency selection are controlled by front panel switches or remote selection (via RS 232C, standard; Ethernet Optional) and are viewable on the LCD Display. Connectors are SMA female for the RF and BNC female for the L-Band and external reference input and reference output. In AUTO, the 10 MHz reference stays in external if the external level is +1 to +8 dBm. The 3116 is powered by a 100-240 ± 10% VAC power supply, and housed in a 1 3/4" X 19 " X 14" rack mount chassis.