3115-79 Block Upconverter, 0.95 - 1.45 GHz to 7.9 - 8.4 GHz

The 3115-79 Upconverter converts 0.95 - 1.45 GHz to 7.9 - 8.4 GHz (non-inverted) with a 6.95 GHz local oscillator. The gain is +30 dB maximum and is adjustable in 0.5 ± 0.5 dB steps. Front panel LEDs provide indication of Remote operation, PLL Alarm and DC Power. Gain and internal/external/Auto reference frequency selection are controlled by front panel switches or remote selection (via RS-232C/485, standard; Ethernet Optional) and are viewable on the LCD Display. Connectors are Type N 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 maximum and is adjustable in 0.5 ± 0.5 dB steps. Front panel LEDs provide indication of Remote operation, PLL Alarm and DC Power.

±3 dB Band and external reference input and reference output. In AUTO, the 10 MHz reference stays in external if the external level is maximum and is adjustable in 0.5 ± 0.5 dB steps. Front panel LEDs provide indication of Remote operation, PLL Alarm and DC Power.

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10 MHz In/Out Level 3 dBm, ± 3 dB, w/ Auto-detect

RF Connector N-type (female), 50Ω

Other

Available Options

W7 - L-band/RF front panel Monitors(-20dBc)
W31 0 to +50 degrees C operation
W67 - Enhanced phase noise

Remote M&C Ethernet Options
W8 - Ethernet w/web browser Interface
W18 - Ethernet w/SNMP (and MIB) Interface
W28 - Ethernet w/direct TCP/IP Interface

Available Connector Options
N - 50Ω N-type (RF), 75Ω BNC (L-BAND)
NF - 50Ω N-type (RF), 75Ω F-type (L-BAND)
NN - 50Ω N-type (RF), 50Ω N-type (L-BAND)
S7 - 50Ω SMA (RF), 75Ω BNC (L-BAND)
SF - 50Ω SMA (RF), 75Ω F-type (L-BAND)
SN - 50Ω SMA (RF), 50Ω N-type (L-BAND)
SS - 50Ω SMA (RF), 50Ω SMA (L-BAND)

10C to 40C; Specifications subject to change without notice.