## 2016-22 Downconverter, 950-2150 MHz

The 2016-22 L-band Downconverter converts 950 to 2150 MHz in $1 \mathrm{kHz}, 10 \mathrm{kHz}$, or 125 kHz steps (user selectable) to $70 \pm 18 \mathrm{MHz}$ with low group delay and flat frequency response. Synthesized local oscillators (LO) provide very low phase noise and $\pm 0.01 \mathrm{ppm}$ stability frequency selection. Multi-function push button switches select the RF frequency, gain, and other parameters. Front panel LEDs provide indication of DC power (green), PLL alarm (red), and remote operation (yellow). Gain is adjustable manually over a 0 to +50 dB range as adjusted by the front panel multi-function push-button switches. Remote operation allows selection of frequency and gain. Parameter selection and frequency and gain settings appear on the LCD display. Connectors are BNC female for IF output and the optional external reference input and output, and Type F female for the RF input. LNB +24 VDC, 0.4 Amps and 10 MHz reference can be inserted on the RF line as added options. The 10 MHz option also includes a 10 MHz output connector, which contains either the internal or external 10 MHz reference signal. The unit is powered by a $100-240 \pm 10 \%$ VAC power supply, and housed in a $13 / 4$ " X 19 " X 16 " rack mount chassis.



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[^0]:    ${ }^{*} 10^{\circ} \mathrm{C}$ to $40^{\circ} \mathrm{C}$; Specifications subject to change without notice

