## 2017-TD02 Up/Downconverter, 950-2150 MHz

The 2017-TD02 L-band Up/Downconverter for loop-back applications converts $70 \mathbf{~ M H z}$ or $140 \mathbf{~ M H z}$ to/from $950-2150 \mathrm{MHz}$ in 1 MHz steps. Multi-function push button switches select RF frequency, gain, and other parameters. The 2017-TD02 is used in applications such as connecting L-band modems to IF Up/downconverters. In this application, when converting an IF signal (70 or 140 MHz ) to Lband, the modem itself contains internal filtering making it unnecessary for the 2017-TD02 to filter out all the other products (LO and other sideband). In the 2017-TD02 down conversion, because the L-band modem's transmit output is a clean signal with no image frequency, the signal can be converted to IF ( 70 or 140 MHz ) without filtering. Front panel LEDs indicate DC power, PLL alarm, and remote operation. 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 and Type F female for RF. It is powered by a $100-240 \pm 10 \%$ VAC power supply and housed in a 1.75 " X 19 " X 16 " 1 RU chassis.


Front Panel

${ }^{*} 10^{\circ} \mathrm{C}$ to $40^{\circ} \mathrm{C}$; Specifications subject to change without notice.

