



# 30 GHz Waveguide Up Converter

<b>RF Frequency (GHz)</b>	<b>29.5 - 31</b>
<b>LO Frequency (GHz)</b>	<b>8.88 or 9.2</b>
<b>IF Frequency (GHz)</b>	<b>2.4 - 3.4</b>
<b>LO Drive (dBm)</b>	<b>+5</b>
<b>IF Input Drive (dBm)</b>	<b>+3 ±2</b>
<b>Conversion Gain (dB)</b>	<b>27</b>
<b>Gain Flatness (± dB)</b>	<b>± 0.5</b>
<b>Output P-1 Min (dBm)</b>	<b>+ 5</b>
<b>LO - RF Leakage Max (dBc)</b>	<b>-60</b>
<b>IF - RF Leakage Max (dBc)</b>	<b>-60</b>
<b>Spurious Max (dBc)</b>	<b>-60</b>
<b>Harmonics Max (dBc)</b>	<b>-60</b>
<b>VSWR RF/LO/IF</b>	<b>1.5:1</b>
<b>Supply Voltage (+ VDC ± 5%)</b>	<b>12</b>
<b>Supply Current (mA Max)</b>	<b>500</b>
<b>RF Connector</b>	<b>WR-28 Square</b>
<b>LO &amp; IF Connector (Female)</b>	<b>SMA</b>
<b>Package Size (“)</b>	<b>1 X 2.4 x 3.4</b>

