INPUT Frequency 10 MHz, ±2 x 10<sup>-6</sup> Level +7 dBm ±5 dB into 50 ohms OUTPUT Frequency 100 MHz Level +13 dBm ±2 dB into 50 ohms **STABILITY** Output Phase Noise L(f) (Free-Running) 100 Hz -128 dBc/Hz 1 kHz -155 dBc/Hz 10 kHz -170 dBc/Hz 100 kHz -171 dBc/Hz Aging  $\pm 1 \times 10^{-6}$  per year after 30 days operating, typical **Temperature Stability**  $\pm 5 \times 10^{-7}$  free-running from 0 to +50°C, (Ref. +25°C) Phase Lock Alarm TTL Locked: +3.5 VDC to +5.2 VDC (Hi) Out-of-Lock: +0.8 VDC max (Lo) Phase Lock Voltage Monitor Voltage monitor pin supplied SPECTRAL PURITY Harmonics ≤-30 dBc Sub-Harmonics ≤-50 dBc PLL Divider Products ≤-80 dBc Spurious ≤-80 dBc, excluding power supply line related spurs **MECHANICAL** Dimensions 2.5 x 3.5 x 0.8" Connectors SMA's and solder pins on side Feed-thru terminals for lock alarm, supply and phase lock voltage monitor

