INPUT Packaging Frequency Nickel-plate machined 5 MHz, ±2 x 10<sup>-6</sup> aluminum housing Mounting Level +7 dBm ±5 dB into 50 ohms Through holes, 4 places OUTPUT Frequency 100 MHz POWER REQUIREMENTS Supply Voltage Level +13 dBm ±2 dB into 50 ohms +15 VDC ±5% STABILITY Warm-Up Power Output Phase Noise L(f) (Free-Running) at +25° C **Total Power** -130 dBc/Hz 100 Hz 1 kHz -155 dBc/Hz 10 kHz -175 dBc/Hz ADJUSTMENT 100 kHz -176 dBc/Hz Loop BW Aging  $\pm 1 \times 10^{-6}$  per year after 30 days Type 2 Loop CRYSTAL operating, typical **Temperature Stability** SC-cut  $\pm 5 \times 10^{-7}$  free-running from 0 to  $\pm 50^{\circ}$ 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 ≤-60 dBc Spurious ≤-70 dBc 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

