INPUT Frequency 10 MHz, ±2 x 10⁻⁶ 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) -125 dBc/Hz 100 Hz 1 kHz -155 dBc/Hz 10 kHz -170 dBc/Hz Aging ±1 x 10⁻⁶ per year after 30 days operating, typical **Temperature Stability** ±5 x 10⁻⁷ free-running from 0 to +50°C, (Ref. +25°C) **Harmonics** -30 dBc **Sub-Harmonics and Products** -50 dBc **Non-Harmonic Spurious, typical** -70 dBc 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 **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 Packaging

Machined aluminum housing

Mounting

Threaded inserts on sides, 16 places Through holes, 4 places

Threaded inserts on base, 4 places

POWER REQUIREMENTS

Supply Voltage

+15 VDC

Warm-Up Power

8 Watts at start-up for 5 minutes at +25° C

Total Power

5 Watts at steady state +25°C

ADJUSTMENT Loop BW

Target Bandwidth: 100 Hz

Type 2 Loop

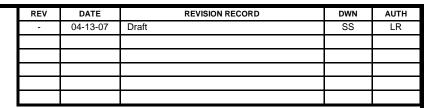
CRYSTAL

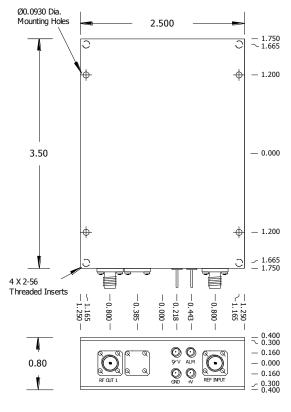
Type

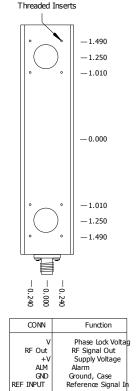
SC-cut

OTHER

ROHS compliant







16 X .060-80

