INPUT POWER REQUIREMENTS Warm-Up Power Frequency 10 MHz Level **Total Power** +13 dBm ±1 dB into 50 ohms ≤ 19 Watts at +25°C OUTPUT Supply Voltage +15 VDC ±5% Frequency 2.4 GHz ADJUSTMENT Level Loop BW +13 dBm ±2 dB into 50 ohms Type 2 Loop STABILITY PHASE LOCK STATUS Aging (free-running) 1 x 10<sup>-6</sup> first year Phase Lock Alarm TTL after 30 days operating, typical  $5 \times 10^{-7}$  second year, typical  $3 \times 10^{-7}$  per vear thereafter, typical Phase Noise L(f), typical, (free-running) 100 Hz -109 dBc/Hz **CRYSTAL** 1 KHz -133 dBc/Hz Type 10 KHz -152 dBc/Hz 100 MHz SC-cut (x24) 100 KHz -153 dBc/Hz OTHER **Temperature Stability** Label  $\pm 5 \times 10^{-7}$  free-running from 0 to  $\pm 50^{\circ}$ C (Ref. +25°C) following information: Harmonics -25 dBc 2.4 GHz GMXO-PLM Sub-Harmonics +15 VDC -60 dBc Serial # - Date Code PLL Reference Products -60 dBc Test Data Spurious - Output Level -80 dBc, excluding power supply line related spurs **MECHANICAL** Dimensions 7.31 x 4 x 1" Connectors RF Input/Output: SMA(f) Power, Monitoring: Feed Thru Terminals GND: Ground Turret Packaging Nickel-plated machined aluminum housing - G3PM Mounting Threaded inserts on base. 6 places, #2-56

