OUTPUT Mechanical Tuning Frequency 500 MHz Level +16 dBm ±2 dB into 50 ohms **STABILITY** Aging 1 x 10⁻⁶ first year after 30 days operating, typical 5×10^{-7} second year, typical 3×10^{-7} per year thereafter, typical Phase Noise L(f), dBc/Hz 100 Hz -121 dBc/Hz 1 KHz -146 dBc/Hz 10 KHz -167 dBc/Hz 100 KHz -172 dBc/Hz 1 MHz -178 dBc/Hz 10 MHz -180 dBc/Hz Test Data **Temperature Stability** ±5 x 10⁻⁷, 0° to +50°C (Ref +25°C) Harmonics ≤ -25 dBc Sub-Harmonics ≤ -60 dBc **Spurious** ≤ -80 dBc, excluding power supply line related spurs MECHANICAL Dimensions 4.21 x 4 x 1" Connectors SMA(f) and solder pins Packaging Nickel-plated machined aluminum housing - G2 Mounting Threaded inserts on base, #2-56, 6 places POWER REQUIREMENTS Warm-Up Power \leq 13 Watts for 5 minutes **Total Power** ≤ 10 Watts at +25°C Supply Voltage +15 VDC ±5%

ADJUSTMENT

±4 x 10⁻⁶

CRYSTAL

Type

Label

Electrical Tuning

 $\pm 5 \times 10^{-7}, \pm 5 \text{ VDC}$

following information:

500 MHz GMXO-FR

Serial # - Date Code

Temperature Stability

Tuning – MT and ET

Harmonics, Subs, Spurious

Power – Warm-up and Total

+15 VDC

Output Level

Phase Noise

501-27189 (Current Rev.)

100 MHz SC-cut (x5 w/SAW)

Use conventional label with the

(Mark connectors with function)

Negative slope

