OUTPUT Frequency 120 MHz Level +18 dBm +2 dB into 50 ohms **STABILITY** Aging 1×10^{-6} per year after 30 days operating, typical Phase Noise L(f), Static 100 Hz -130 dBc/Hz 1 kHz -156 dBc/Hz 10 kHz -180 dBc/Hz 100 kHz -188 dBc/Hz Phase Noise L(f), Dynamic, typical 10 Hz -66 dBc/Hz 30 Hz -71 dBc/Hz 100 Hz -100 dBc/Hz 300 Hz -121 dBc/Hz -142 dBc/Hz 1 kHz 2 kHz -154 dBc/Hz **Temperature Stability** ±2 x 10⁻⁷, 0° to +50°C (Ref +25°C) Harmonics ≤ -30 dBc Spurious ≤ -90 dBc, excluding power supply line related spurs **MECHANICAL** Dimensions 2.8" x 3.0" x 1.75" Connectors SMA(f) and solder pins on side Packaging Nickel-plated machined aluminum case – (CVPI-1) POWER REQUIREMENTS Warm-Up Power ≤ 10 Watts for 5 minutes **Total Power** ≤ 4 Watts at +25°C Supply Voltage +15 VDC +5%

ADJUSTMENT **Mechanical Tuning** ±4 x 10⁻⁶ **Electrical Tuning** $\pm 5 \times 10^{-7}$ min. ± 5 VDC Negative slope CRYSTAL Type 120 MHz SC-cut (low-g) **Acceleration Sensitivity** $\leq 5 \times 10^{-10}$ /g per axis, typical **ENVIRONMENTAL Operating Temperature** 0° to +50°C Storage Temperature -40° to +85°C Vibration Level $0.01 \text{ g}^2/\text{Hz}$ 10 Hz to 2 kHz Resonance (Internal Mount Natural Frequency) ~30 Hz, typical OTHER Label Use conventional label with the following information: 501-30122 (Current Rev.) 120 MHz Citrine +15 VDC Serial # - Date Code Test Data Output Level Phase Noise, Static and Dynamic **Temperature Stability** Harmonics, Spurious Power – Warm-up and Total Tuning – MT and ET

