OUTPUT
Frequency
120 MHz
Level
+18 dBm ±2 dB into 50 ohms
STABILITY
Aging
1 x 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
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 x 2 x 0.7"
Connectors
SMA(f) and solder pins on side
Packaging
Nickel-plated machined
aluminum case – CV-1A
POWER REQUIREMENTS
Warm-Up Power
≤ 8 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
±5 x 10 ⁻⁷ , ±5 VDC
Negative slope
Negative Slope

CRYSTAL				
Type				
120 MHz SC-cut (low-g)				
Acceleration Sensitivity				
≤ 5 x 10 ⁻¹⁰ /g per axis, typical				

ENVIRONMENTAL Operating Temperature 0° to +50°C

Storage temperature -40° to +85°C

OTHER Label

Use conventional label with the following information: 501-30278 (Current Rev.)
Golden Citrine
120 MHz
+15 VDC
Serial # - Date Code

Test Data

Output Level
Phase Noise, Static
Temperature Stability
Harmonics, Spurious
Power – Warm-up and Total
Tuning – MT and ET

EV	DATE	REVISION RECORD	DWN	AUTH
-	08-19-16	Initial Release	CB	
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