OUTPUT
Frequency 100 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 -135 dBc/Hz
1 kHz -162 dBc/Hz
1 kHz -162 dBc/Hz 10 kHz -185 dBc/Hz
100 kHz -188 dBc/Hz
Phase Noise L(f), Dynamic, typical
10 Hz -68 dBc/Hz
10 Hz -68 dBc/Hz 30 Hz -72 dBc/Hz
100 Hz -102 dBc/Hz 300 Hz -122 dBc/Hz
300 Hz -122 dBc/Hz
1 kHz -143 dBc/Hz
2 kHz -155 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
CBkaging
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%

CRYSTAL Type

Negative slope

ENVIRONMENTAL Operating Temperature 0° to +50°C **Storage Temperature** -40° to +85°C **Vibration Level**

10 Hz to 2 kHz

~30 Hz, typical

following information: 501-25843 (Current Rev.)

Serial # - Date Code

Temperature Stability

Harmonics, Spurious

Tuning - MT and ET

Power – Warm-up and Total

100 MHz Citrine

+15 VDC

Output Level

Test Data

Resonance

OTHER

Label

100 MHz SC-cut (low-g) **Acceleration Sensitivity**

 \leq 5 x 10⁻¹⁰ /g per axis, typical

(Internal Mount Natural Frequency)

Use conventional label with the

Phase Noise, Static and Dynamic

 $0.01 \, g^2/Hz$

	EV	DATE	REVISION RECORD	DWN	AUTH
ADJUSTMENT	-	04-23-12	Initial Release	PAC	
Mechanical Tuning	Α	06-15-16	Modified dynamic phase noise	СВ	
±4 x 10 ⁻⁶					
Electrical Tuning					
±5 x 10 ⁻⁷ min, ±5 VDC					

2X 2.915 -



