CRYSTAL
Type
10 MHz SC-cut (Special 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:
501-23750 (Current Rev.)
10 MHz Citrine
+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

STABILITY
Aging
5 x 10^-10 per day
after 30 days operating, typical

Phase Noise L(f), Static
10 Hz -140 dBc/Hz
100 Hz -160 dBc/Hz
1 kHz -172 dBc/Hz
10 kHz -174 dBc/Hz

Temperature Stability
±2 x 10^-8, 0° to +50°C (Ref +25°C)

Harmonics
≤ -30 dBc

Spurious
≤ -90 dBc, excluding power supply line related spurs

MECHANICAL
Dimensions
2.25 x 2.25 x 0.8"

Connectors
SMA(f) and solder pins on side

Packaging
Nickel-plated machined aluminum case (CH-1A)

POWER REQUIREMENTS
Warm-Up Power
≤ 7.5 Watts for 5 minutes

Total Power
≤ 5 Watts at +25°C

Supply Voltage
+15 VDC ±5%

ADJUSTMENT
Mechanical Tuning
±1 x 10^-6

Electrical Tuning
±2 x 10^-7 min, ±5 VDC
Negative slope