

ADVANTAGES

- Low Phase Noise
- Hermetically Sealed
- Small Package
- High Stability

APPLICATIONS

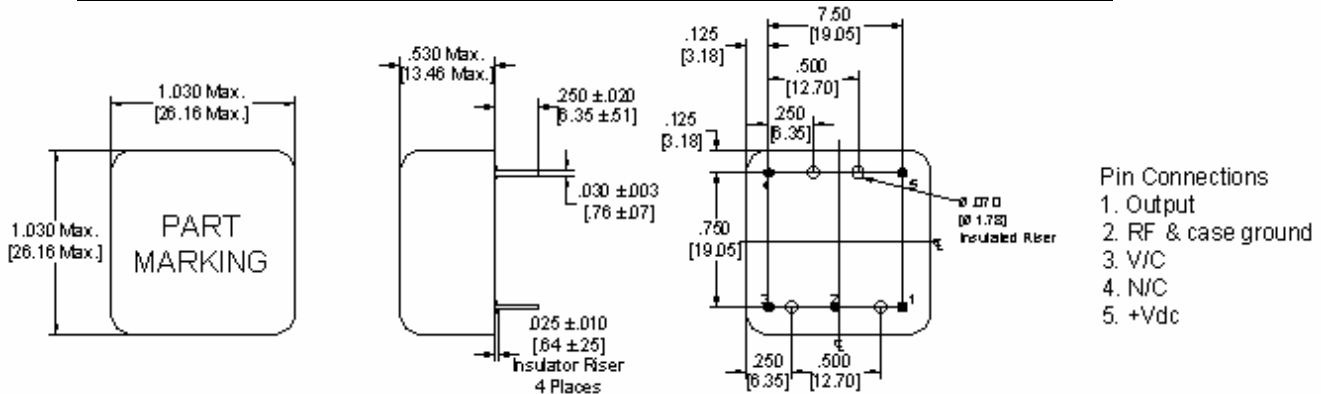
- Test Instrumentation
- LMDS
- Timing Synchronization
- Military Communications



ELECTRICAL PERFORMANCE (Ta=25°C)

PARAMETER	Tolerance
Center Frequency	70MHz to 120MHz
Set On	±0.50ppm at +25°C, Vc= midrange
Output Level A) Type B) Harmonics	+7dBm Minimum Sinewave -25dBc Max., -75dBc spurious
Frequency Vs. Temperature	±0.40ppm Max. over temperature range
Frequency Vs. Supply	±0.05ppm for ±5% change in supply voltage
Frequency Vs. Load	±0.05ppm for ±5% change in load impedance
Aging	1 st Year: ±0.5ppm Max. 10 Year: ±2.0ppm Max. for 10 years
Electrical Frequency Adjust	±2.5ppm Min. Vc=0.0 to +8.0 Vdc, Positive Slope 100K Ohms Input Resistance Min.
Power Supply	+11.5 to +15.5Vdc 7 Watts Max. turn-on @ -40°C 2 Watts typical stabilized @ +25°C
Warm-Up	±0.50ppm after 5 minutes of final frequency @ +25°C
Phase Noise (At 100Mhz operating Frequency)	100Hz offset: -120dBc 1000Hz offset: -145dBc 10KHz offset: -155dBc 100KHz offset: -160dBc
Operating Temperature Range	-40°C to +70°C

Parameter	Standard Observed
Mechanical Shock	MIL-STD-202 Method 213, Condition C
Vibration	MIL-STD-202 Method 201, 204, and 214
Hermeticity	MIL-STD-202, Method 112
Solderability	IPC/EIA-STD-002A



- NOTES**
- 1) To order, state part number, options and nominal frequency e.g. OCX-2, 100MHz
 - 2) Please consult factory for other performance requirements.