Model XO3285-XXX
Shock Hardened TCXO

Electrical Specifications

Nominal Frequency (F_O): 10MHz to 24MHz

Frequency Stability
Over Temperature, ±1ppm, maximum
Aging/year, ±1ppm, maximum

Frequency Adjustment
Method, external voltage, $0.5V_{DC}$ to $2.5V_{DC}$
Range, sufficient for 10 years aging
Slope, positive

Output (clipped sine)
Level (user selectable @ time of purchase)
$1.0V_{P-P}$, typical
$1.2V_{P-P}$, typical
$1.5V_{P-P}$, typical
Load (all output level options), 10KΩ // 10pF, ±10%

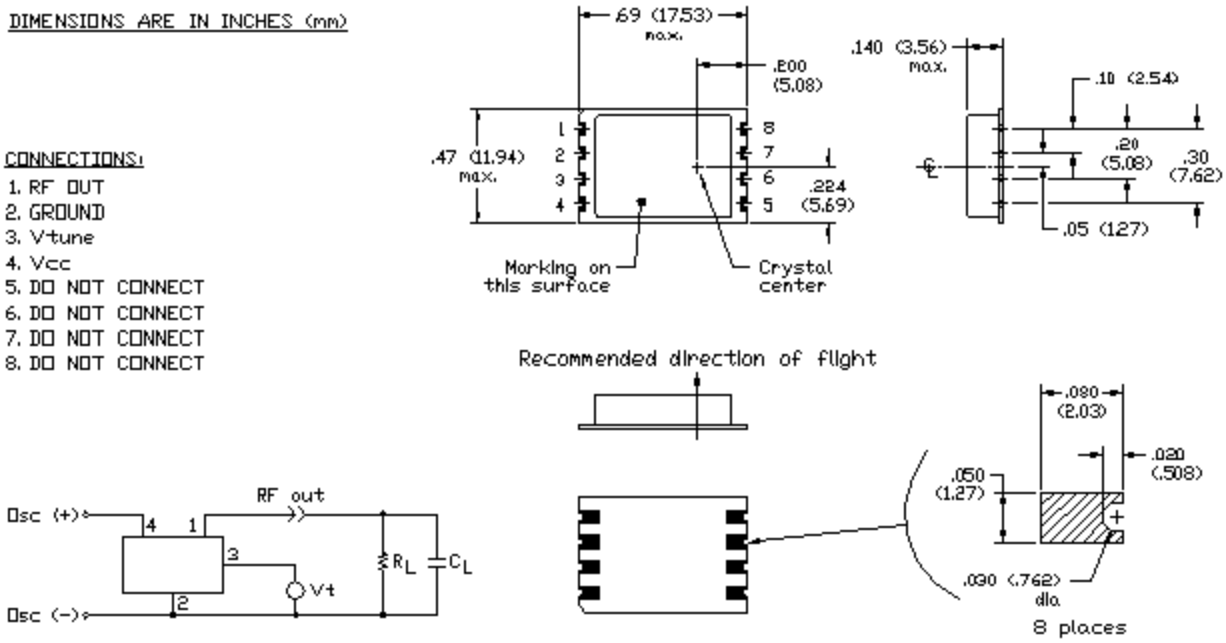
Mass: 0.04oz (1.1 grams)

SSB Phase Noise (typical for a 10MHz model)
-80dBc/Hz @ 10Hz offset
-105dBc/Hz @ 100Hz offset
-135dBc/Hz @ 1kHz offset
-145dBc/Hz @ 10kHz offset

Short Term Stability: $\pm 5 \times 10^{-10}$, Tau=1 second

Power Supply (available options)
Voltage, +3.3 V_{DC} and +5.0V_{DC}, ±5%
Current Consumption, 3.0*mA*, maximum, no load

Environmental
Vibration, 10g peak, 10-2000Hz
Shock, 50kg, rise time 1*msec*, duration 7*msec*
Temperature Range
Operating, -30°C to +75°C
Storage, -55°C to +105°C



Revised: May 20, 2003 Preliminary Specifications subject to change without notice

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