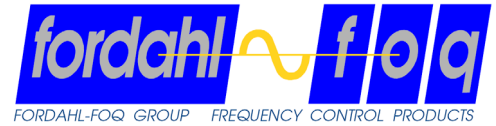


Oscillator specification: **PTVC76110.006**
Custom designation: **VCXO 61,44MHz**



Supervision by:

Date , Sign. : 14.07.09 U. Schweickert

TYP: VCXO with 61,440000 MHz

1. Electrical Parameters

Supply / Power:

Supply Voltage: 3,3 V \pm 5 %
Max. Current Consumption @ 25 °C: 40 mA

Nominal Frequency (f0):

@ Reference Temperature: 61,440000 MHz
@ Reference Control Voltage: 25 °C \pm 1 °C
1,65 V

Temperature Range:

Operating Temperature Range: - 40 °C ... 85 °C
Storage Temperature Range: - 50 °C ... 125 °C

Frequency Tolerance:

Nominal Frequency Tolerance ($\Delta f/f_0$): $\leq \pm 10$ ppm @ $V_c = 1,65$ V
Tolerance vs Temperature Range ($\Delta f/f$): $\leq \pm 20$ ppm
Tol. vs Supply Voltage ($\Delta f/f$) @ 5% Supply Change: $\leq \pm 3$ ppm
Tolerance vs Load ($\Delta f/f$) @ 10% Load Change: $\leq \pm 1$ ppm

Aging:

Aging Tolerance 1. Year ($\Delta f/f$): $\leq \pm 3$ ppm
Aging Tolerance after 10 Years ($\Delta f/f$): $\leq \pm 10$ ppm

Tuning range:

Control Voltage = 0,3 V ($\Delta f/f$): - 80 ppm ... - 180 ppm
Control Voltage = 1,65 V ($\Delta f/f$): - 10 ppm ... + 10 ppm
Control Voltage = 3 V ($\Delta f/f$): + 80 ppm ... + 180 ppm
Linearity: $\leq \pm 10$ %
Input Impedance: >10 M Ω

Output:

Output signal: HCMOS
Load: 10 k Ω // 15 pF
Duty Cycle: 45 % ... 55 % @ $V_s/2$

Phase Noise:

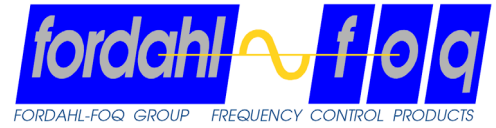
10 Hz: $\leq - 75$ dBc / Hz
100Hz: $\leq - 100$ dBc / Hz
1KHz: $\leq - 130$ dBc / Hz
10KHz: $\leq - 150$ dBc / Hz
100KHz: $\leq - 155$ dBc / Hz

Others:

Enable: High or open
Disable: Low
Tuning Range @ $V_c = 0V \dots 3,3$ V: $\geq \pm 90$ ppm

Specification accepted by Customer

Oscillator specification: PTVC76110.006
Custom designation: VCXO 61,44MHz



Supervision by:

Date , Sign. : 14.07.09 U. Schweickert

2. Mechanical Data

Case:
Pin Connections:

CS-07_6
1: Vc 2: EN 3: GND 4: RF 5: NC 6: Vs

3. Marking:

FOQ Piezo Technik
PTVC76110
<FREQUENZ>MHz
<SN> <DC>LF

Specification accepted by Customer

Drawing Name:
Drawing No:

CS-07_6
M003-142-ME01-001

F O Q PIEZO TECHNIK

