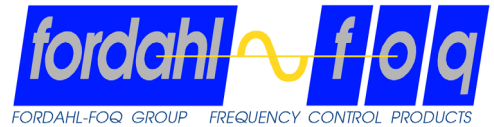


Oscillator specification: **PTVC75860.002**
Custom designation: **VCXO 78,6432MHz**



FORDAHL-FOQ GROUP FREQUENCY CONTROL PRODUCTS

Supervision by:

Date , Sign. : 14.07.09 U. Schweickert

TYP: VCXO with 78,643200 MHz

1. Electrical Parameters

Supply / Power:

Supply Voltage: 3,3 V \pm 5 %
Max. Current Consumption @ 25 °C: 65 mA

Nominal Frequency (f0):

@ Reference Temperature: 78,643200 MHz
@ Reference Control Voltage: 25 °C \pm 3 °C
1,65 V

Temperature Range:

Operating Temperature Range: - 40 °C ... 85 °C
Storage Temperature Range: - 55 °C ... 125 °C

Frequency Tolerance:

Nominal Frequency Tolerance ($\Delta f/f_0$): $\leq \pm 15$ ppm @ $V_c = 1,65$ V
Tolerance vs Temperature Range ($\Delta f/f$): $\leq \pm 25$ ppm
Tol. vs Supply Voltage ($\Delta f/f$) @ 5% Supply Change: $\leq \pm 2$ ppm
Tolerance vs Load ($\Delta f/f$) @ 10% Load Change: $\leq \pm 2$ ppm

Aging:

Aging Tolerance per Year ($\Delta f/f$): $\leq \pm 2$ ppm

Tuning range:

Control Voltage = 0,3 V ($\Delta f/f$): - 80 ppm ... - 150 ppm
Control Voltage = 1,65 V ($\Delta f/f$): - 15 ppm ... + 15 ppm
Control Voltage = 3 V ($\Delta f/f$): + 80 ppm ... +150 ppm
Linearity: $\leq \pm 10$ %
Input Impedance: $\geq 10M\Omega$

Output:

Output signal: LV-PECL
Load: 50 Ω to +1,3V
Duty Cycle: 45 % ... 55 %
Rise- / Falltime: ≤ 1 ns @ 20 % ... 80 %

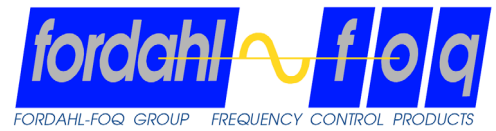
Phase Noise:

10 Hz: $\leq - 70$ dBc / Hz
100Hz: $\leq - 100$ dBc / Hz
1KHz: $\leq - 130$ dBc / Hz
10KHz: $\leq - 140$ dBc / Hz
100KHz: $\leq - 152$ dBc / Hz

Others:

Specification accepted by Customer

Oscillator specification: PTVC75860.002
Custom designation: VCXO 78,6432MHz



Supervision by:

Date , Sign. : 14.07.09 U. Schweickert

2. Mechanical Data

Case:
Pin Connections:

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

3. Marking:

FOQ Piezo Technik
PTVC75860
<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

