

PRODUCT FEATURES

- Industry-standard 8 pin DIL package for compatibility
- Wide frequency range from 50kHz to 160MHz
- Choice of supply voltage 1.0V, 1.2V, 1.8V, 2.5V, 3.3V or 5.0V
- Hermetically sealed package for reliability and low ageing
- Optional Tristate function (Enable/Disable)



DESCRIPTION

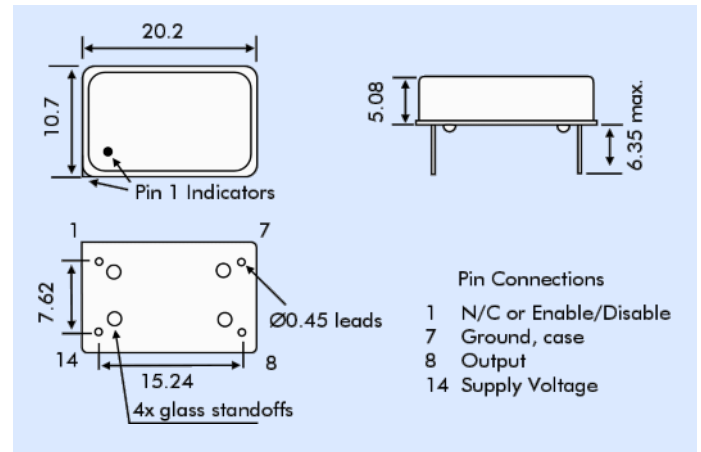
The Euroquartz EQXO-1000 series of 8 pin dual-in-line oscillators consist of a Universal, TTL/CMOS hybrid substrate and quartz crystal in a hermetically-sealed package. The oscillators provide a reliable source of clock signals with low unit cost.

SPECIFICATION

Series Number:	EQXO-1000
Frequency Range:	50kHz to 160MHz
Frequency Stability*:	See Model Number table
Supply Voltage:	
+1.0V±5%:	0.75~50MHz
+1.2V±5%:	0.75~50MHz
+1.8V±10%:	0.05~160MHz
+2.5V±10%:	0.05~160MHz
+3.3V±10%:	0.05~160MHz
+5.0V±10%:	0.05~135MHz
Output Load	
HCMOS:	15pF standard, 30pF & 50pF available
Rise/Fall Time	
HCMOS:	10ns max., 3ns typical. Measured between 10% to 90% waveform (CL=15pF)
Duty Cycle:	
HCMOS:	40% (min.)/60% (max.) Measured at 50% waveform. 50%±5% is available, add 'S' to part number.
Operating Temperature Range	
Commercial:	0° to +70°C
Industrial:	-40° to +85°C
Storage Temperature Range:	-55° to +150°C
Start-up Time:	5ms typical, 10ms max.
Current Consumption:	4mA ~ 40mA frequency dependant
Tristate Option:	70% of Supply Voltage to enable output 30% of Supply Voltage to disable output

The frequency stability parameter is inclusive of frequency adjustment at 25°C and any variations due to load change, ageing, supply voltage change (±10%) and variations attributable to shock and vibration.

OUTLINE & DIMENSIONS



MODEL NUMBERS

Model Number	Stability over O.T.R.	Operating Temperature Range
EQXO-1010UC	±10ppm	0° ~ +50°C
EQXO-1015UC	±15ppm	0° ~ +70°C
EQXO-1025UC	±25ppm	0° ~ +70°C
EQXO-1050UC	±50ppm	0° ~ +70°C
EQXO-1100UC	±100ppm	0° ~ +70°C
EQXO-1025UI	±25ppm	-40° ~ +85°C
EQXO-1050UI	±50ppm	-40° ~ +85°C
EQXO-1100UI	±100ppm	-40° ~ +85°C

PART NUMBER GENERATION

EQXO-1000 series oscillator part numbers are derived as follows:
Example: **10.000MHz EQXO-1050UIT3**:

