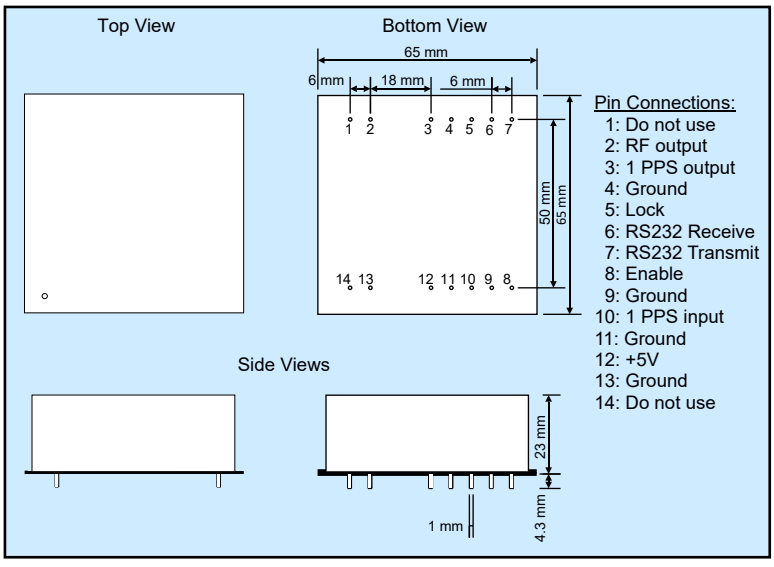
FEATURES

- **DT-6565 65 x 65 x 23mm 14 pin package**
- **24 Hours Holdover <1.5uS ±10°C temperature change**
- **5.0V Supply voltage**
- **CMOS Output**
- **Voltage Control as standard**
- **Best Stability ±0.1ppb**
- **PB Free**

GENERAL SPECIFICTIONS

Supply Voltage		+5.0V
Supply Voltage Range:		+5.0V ±5%
Frequency Range:		5MHz/10MHz
Output Logic High (VOH)		+2.7V (min.)
Output Logic Low (VOL)		+0.4V (max.)
Duty Cycle		40% - 60%
Load		10MΩ/10pF
Frequency Stability:	vs Temperature (refer to +25°C)	±0.1ppb (max.) over -10°C to + 70°C
	Frequenct Accuracy	±1x10¹², 24 hour average (locked to 1 pps.)
	24 Hours Holdover	1.5 uS ±10°C, after 7 days power on and 1 day discipline
	Acceleration Sensitivity	±1ppb/g
1pps Time Output:	1pps	1Hz
	Output Amplitude	3.3V CMOS
	Pulse Width	20 us
	Rise/Fall Time	10 ns (max.)
	Load	10MΩ/10pF
1pps Time Input	1pps	1Hz
	Timing Edge	Rising Edge
	Input Amplitude	3.3V CMOS
	Input Impedance	10MΩ /10pF
Environmental (MIL-STD-202)	Mechanical Shock	>30G, 11ms Half Sine
	Vibration	5G up to 2kHz



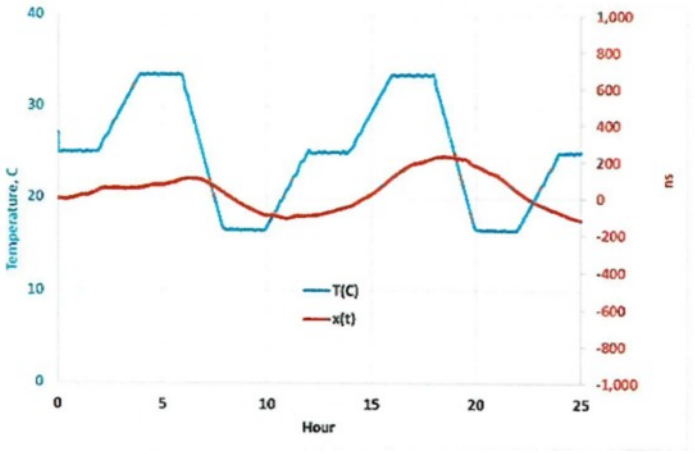
PART NUMBER FORMAT
Example:

EQXO-DT65GT5-10.000-0.10/-10+70

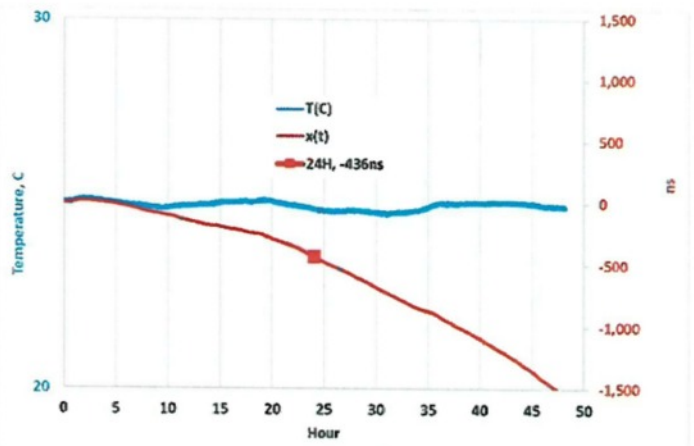
OCXO Package: DT65
G: RoHS Compliant
T: Output Squarewave
50: Supply Voltage 5.0Volts
Nominal Frequency 10.0MHz
Stability in ppb
Operating Temperature Range °C
Lowest Temperature/Highest Temperature

EUROQUARTZ LIMITED Blacknell Lane CREWKERNE Somerset UK TA18 7HE
Tel: +44 (0)1460 230000 info@euroquartz.co.uk www.euroquartz.co.uk

Holdover Test Data of DT-6565



Tested at 25°C±10°C



Tested at 25°C

Phase Noise

Phase Noise (@10MHz)	1Hz	10Hz	100Hz	1kHz	10kHz
	-100dBc/Hz	-125dBc/Hz	-135dBc/Hz	-145dBc/Hz	-150dBc/Hz

EUROQUARTZ LIMITED Blacknell Lane CREWKERNE Somerset UK TA18 7HE
Tel: +44 (0)1460 230000 info@euroquartz.co.uk www.euroquartz.co.uk