

EQXO-75HS High Stability Oscillator
20.000MHz to 160MHz

- 20.0MHz to 160.0MHz frequency range
- Tight stability $\pm 10\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$
- MIL temperature range available
- High shock ruggedised design
- 3.3V supply voltage
- Made in the UK - ITAR RESTRICTION FREE
- Optional MIL screening available

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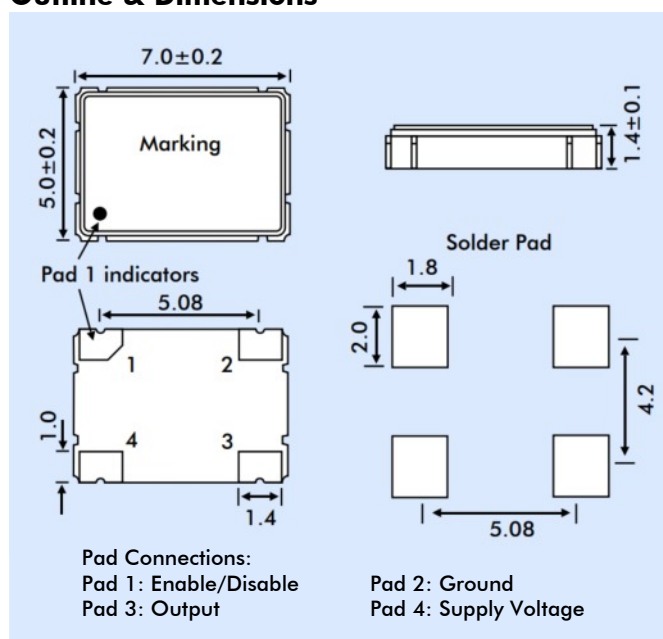

GENERAL SPECIFICATION

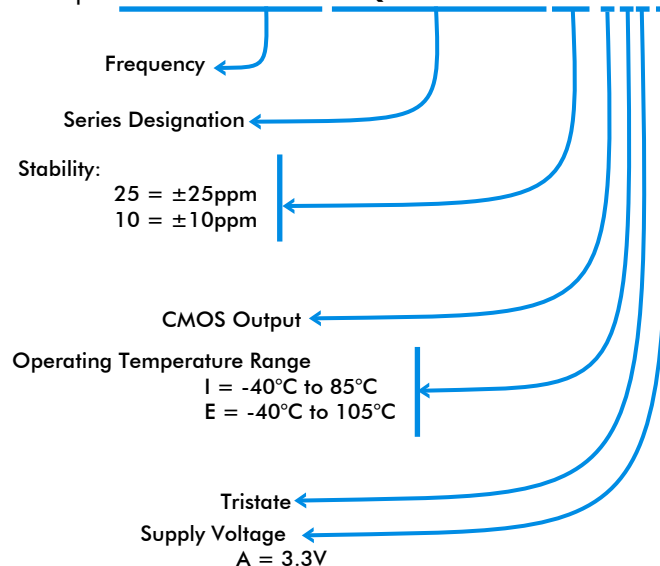
Frequency Range	20.000MHz to 160.000MHz
Output Waveform	CMOS
Supply Voltage	3.3V
Load Impedance	15pF
Rise/Fall Time	2.5ns typ., 6.0ns max.
Output Logic 'High', '1'	Vdd-0.4V min.
Output Logic 'Low', '0'	0.4V max.
Duty Cycle	50 $\pm$ 5%
Frequency Stability Over Temperature	$\pm 10\text{ppm}$ over -40°C to $+85^{\circ}\text{C}$ (Inquire about $\pm 5\text{ppm}$) $\pm 25\text{ppm}$ over -40°C to $+105^{\circ}\text{C}$
Enable/Disable Function	Enable/Disable function on Pad 1 is standard for EQXO-75HS series oscillators
Current Consumption	6mA typical
Frequency Accuracy @25°C	$\pm 5\text{ppm}$
Daily Aging	$\pm 1\text{ppm}$ max. for first year
Start-up Time	2ms max.
Storage Temperature:	-55°C to $+125^{\circ}\text{C}$

Optional Screening

Optional screening in accordance with MIL-O-55310C Class B. All devices are 100% tested to the following conditions:

Temp Cycling:	-55°C to $+125^{\circ}\text{C}$, 10 cycles.
Constant Acceleration:	49000m/s ² for 1 minute in XY plane.
Seal:	Fine leak not to exceed 1×10^{-8} mB.l of He
Dynamic Burn-in:	$+125^{\circ}\text{C}$, 3.3V for 168hrs.
Electrical Test:	Frequency, output waveform, output voltage, input current.

Outline & Dimensions

Ordering/Part Number Generation

 Example: **20.000MHz EQXO-75HS25UITA**


Issue 1