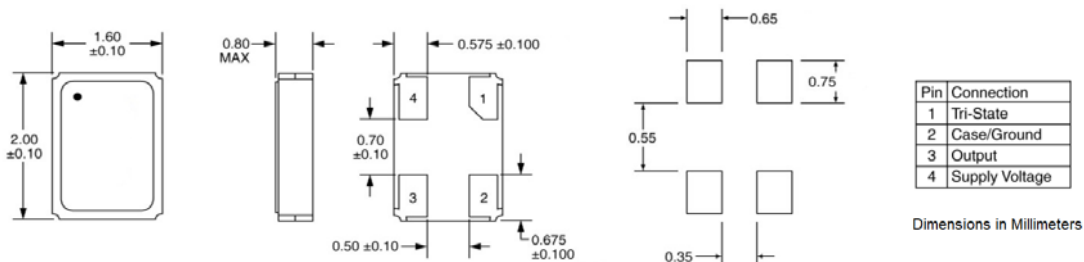


| | |
|------------------------------|--|
| Frequency | 1.25MHz to 100.000MHz |
| Output Level | |
| Level | '0'=0.1 Vdd Max., '1'=0.9 Vdd Min. |
| Duty Cycle | 50% ± 5 % (Measured at 50% of Waveform) |
| Rise/ Fall Time | 10 nS Max. (Measured from 20% to 80% waveform) |
| Output Load | 15 pF Maximum |
| Stability | |
| Over all Frequency Stability | See Frequency Stability below (Includes temperature, voltage, load stability, aging for 1 st year at 25°C and initial tolerance at shipping @ 25° C) |
| Supply Voltage | 1.8V, 2.5V, 2.8V, 3.0V, 3.3V ± 10 % |
| Current | 20 mA Max (No Load) |
| Temperature | |
| Operating | See table below |
| Storage | -55°C to +125°C |
| Environment | |
| Sealing | 4×10 ⁻⁹ Pa•m ³ /s Max.(by He leak detector) |
| Shock Resistance | 75cm(Guaranteed for 3 free falls on hardwood surface from 75cm height) |
| Damp Heat | 40±2°C, 90~95% RH (Guaranteed 1,000H at 40±2°C, 90~95% RH) |
| Jitter | |
| RMS Period Jitter | 5pSec Max. (Vdd = 2.5v, 2.8V, 3.0V, 3.3V) 6pSec Max. (Vdd = 1.8V) |
| Peak to Peak Period Jitter | 30pSec Max. (Vdd = 2.5v, 2.8V, 3.0V, 3.3V) 40pSec Max. (Vdd = 1.8V) |
| Standby Current | 10uA Max. (Disable Output, High Impedance) |

| Part Number Guide | | Sample Part #: | | QYAO-3E1H-25.000 | |
|-------------------|----------------|-----------------------------|--------------------|-------------------|------------|
| QYAO | Supply Voltage | Operating Temperature Range | Stability (in ppm) | Function | Frequency |
| | 1 = 1.8V | C = -20°C to +70°C | 1 = ±100 | H = Output Enable | 25.000 MHz |
| | 2 = 2.5V | E = -40°C to +85°C | 2 = ±50 | | |
| | 6 = 2.8V | I = -40°C to +105°C | 3 = ±25 | | |
| | 4 = 3.0V | J = -40°C to +125°C | | | |
| 3 = 3.3V | | | | | |



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Specifications subject to change without notice (Rev IR)