

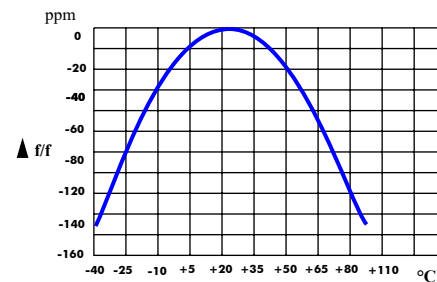
### FEATURES

- Miniature 2x1mm package
- Wide Operating Temperature range -40°C to +105°C
- Very low current
- Wide supply range 1.2V to 5.5V

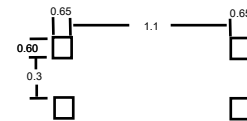
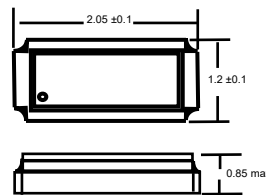


### SPECIFICATION

<b>Model Number</b>	<b>EQXO-3272</b>
<b>Frequency Range</b>	32.7680kHz
<b>Output Logic</b>	LVC MOS
<b>Supply Voltage V<sub>DD</sub></b>	1.2V to 5.5V
<b>Operating Temperature</b>	-40°C to 105°C
<b>Frequency Tolerance</b>	±20ppm at 25°C V <sub>DD</sub> = +3.3V
<b>Frequency Stability</b>	+10ppm to -120ppm (over -20°C to +70°C ref to 25°C)
<b>Stand By Control Voltage (pin 1)</b>	20% V <sub>DD</sub> (max) V <sub>IL</sub> 80% V <sub>DD</sub> (min) V <sub>IH</sub>
<b>Input Current</b>	0.35µA Typ. (0.65µA max at +105°C / at V <sub>DD</sub> +1.8V and no load 0.50µA Typ. (0.80µA max at +105°C / at V <sub>DD</sub> +3.3V and no load 0.25µA Typ. (0.60µA max at +105°C / at V <sub>DD</sub> +1.2V to +5.5V and no load)
<b>Load</b>	15pF
<b>Start-up Time</b>	0.15ms (typ) 0.50 sec (Max)
<b>Rise and Fall Time (CL=15pF)</b>	200nSec (max) 10% to 90% V <sub>DD</sub> level
<b>Frequency Voltage Coefficient</b>	±3ppm/V max (At 25°C V <sub>DD</sub> = +1.2V to +5.5V)
<b>Aging</b>	±3ppm max first year
<b>Storage Temperature</b>	-55°C to 125°C



### OUTLINE & DIMENSIONS



Pin	Connection
1	"L" "H"
2	GND
3	Output Z
4	V <sub>DD</sub>

Z = High impedance

### ORDERING/PART NUMBER GENERATION

Example: 32.768kHz EQXO-3272

Frequency ←

Series Designation EQXO-3272 ←