

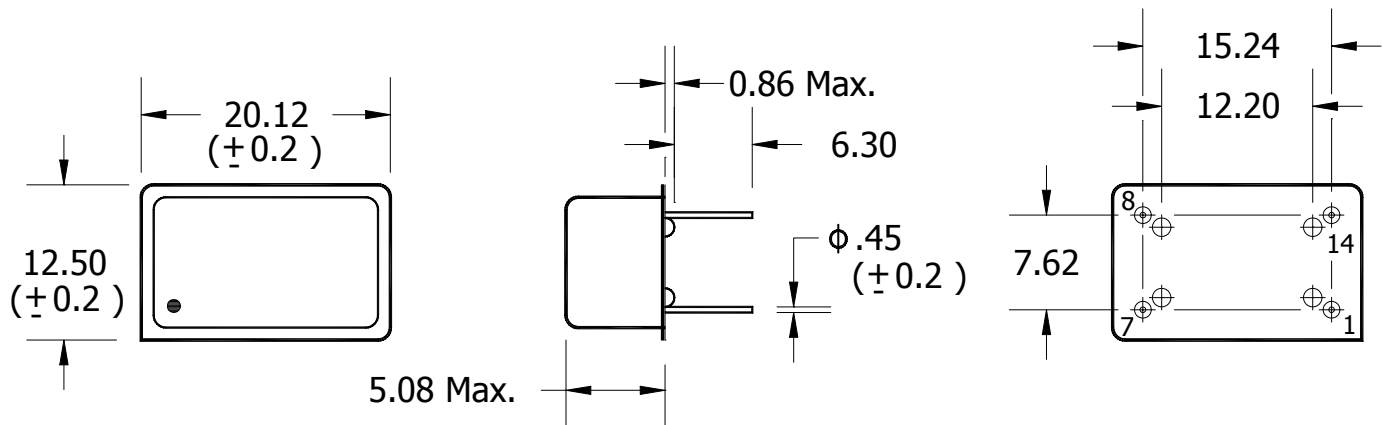


QPECL Series

Thru-Hole Oscillator, Full Size Dip, PECL

| | | | | |
|---|--|------------------------------------|-----------------|------------------|
| Frequency | 10k: 5.000 Mhz. To 110 Mhz. 10kH: 50.000 MHz. To 200 MHz. 10E, 100 E: 100 Mhz. To 400 MHz. | | | |
| Output Level | '0' = +3.57 Vdc Max. , '1' = +4.22 Vdc Min. | | | |
| Duty Cycle | 50% ± 5% | | | |
| Rise/ Fall Time (20%~80%) | 10k: 1.5 ns Typ. | 10kH: 800 ps Typ. | 10E: 500ps Typ. | 100E: 500ps Typ. |
| Output Load | 50 Ω to +3.2V or 390 Ω to Vee | | | |
| Stability | | | | |
| Over all conditions | See Table Frequency Stability | | | |
| Supply Voltage | +5.2VDC ±5% | | | |
| Current | 60 mA Max , 40 mA Typ. | | | |
| Temperature | | | | |
| Operating | 0°C ~ +70°C | | | |
| Storage | -55°C to +125°C | | | |
| Frequency vs.(calibration tolerance, operating temp., input voltage change, load change, aging, shock, and vibration) in ppm | | | | |
| 2 | 1 | 7 | 8 | |
| ± 50ppm | ± 100ppm | ± 500ppm | ± 1000ppm | |
| Part Number Guide Sample Part #: QPECL-2100E1-100.000 | | | | |
| | Frequency Stability | Device type: 10k, 10 kH, 10E, 100E | Package | Frequency |
| QPECL | 2 = ± 50ppm | 100E | 1 | 100.000 MHz |

DIMENSION UNITS: mm



| | Package 1 | Package 2 | Package 3 | Package 4 | Package 5 |
|--------|-----------|-----------|-----------|-----------|-----------|
| PIN 1 | CASE GND | CASE GND | NC | COMP. OUT | COMP. OUT |
| PIN 7 | GND | CASE GND | GND | GND | CASE GND |
| PIN 8 | OUTPUT | OUTPUT | OUTPUT | OUTPUT | OUTPUT |
| PIN 14 | Vcc | Vcc | Vcc | Vcc | Vcc |

QVS TECH INC

6965 El Camino Real, Ste 105 Carlsbad, CA 92009 Phone: 760-929-8677 Fax: 760-929-8077

email: sales@qvstech.com

Specifications subject to change without notice (Rev A)