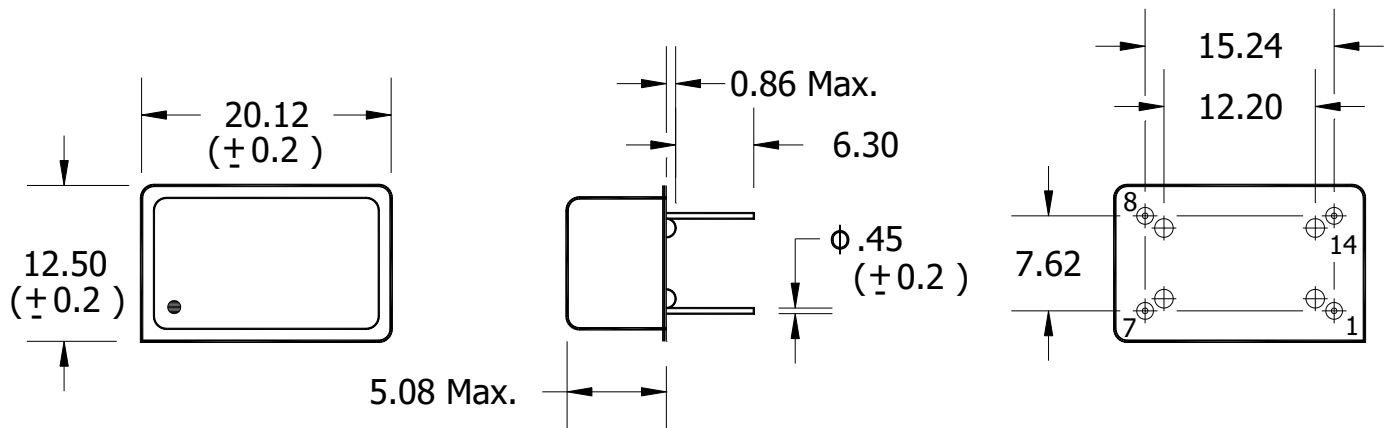


# QPECL Series

## 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	See Table Frequency Stability			
Supply Voltage	+5.2VDC ±5%			
Current	60 mA Max , 40 mA Typ.			
Temperature	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	
<b>Part Number Guide                      Sample Part #:                      QPECL-2100E1-100.000</b>				
	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

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Specifications subject to change without notice (Rev A)