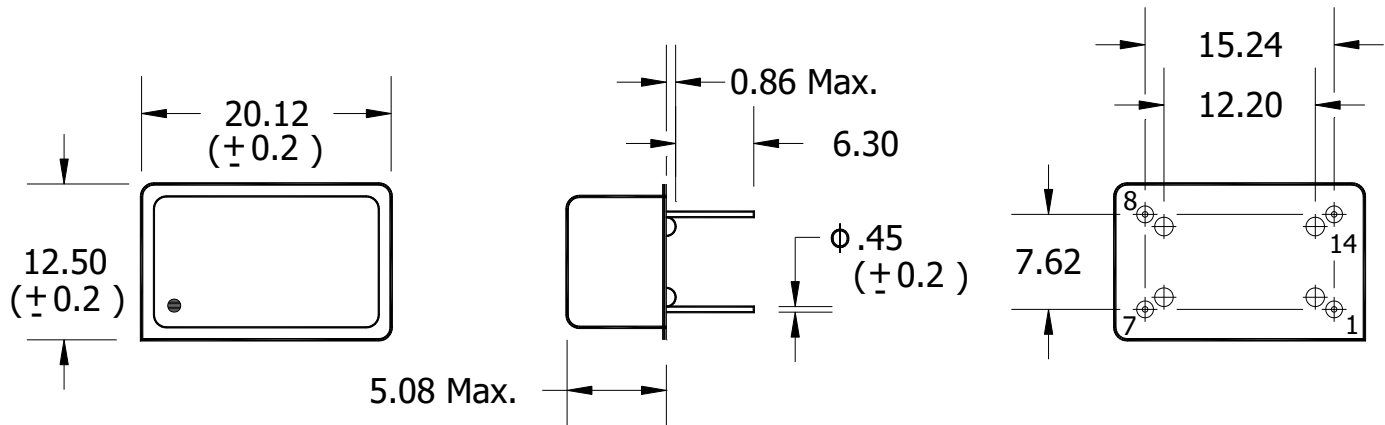


QECL Series

Thru-Hole Oscillator, Full Size Dip, ECL

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' = -1.63 Vdc Max. , '1' = -0.98 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 -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	
± 50	± 100	± 500	± 1000	
Part Number Guide		Sample Part #: QECL- 2100E1-100.000		
	Frequency Stability	Device type: 10k, 10 kH, 10E, 100E	Package Type	Frequency
QECL	2 = ± 50ppm	100E	1	100.000 MHz

DIMENSION UNITS: mm



	Package 1	Package 2	Package 3	Package 4	Package 5	Package 6
PIN 1	CASE GND	CASE GND	NC	COMP. OUT	COMP. OUT	COMP. OUT
PIN 7	Vee	Vee (CASE GND)	Vee	Vee	Vee (CASE GND)	Vee
PIN 8	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT	OUTPUT
PIN 14	Vcc	Vcc	Vcc	Vcc	Vcc	Vcc (CASE GND)

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Specifications subject to change without notice (Rev A)