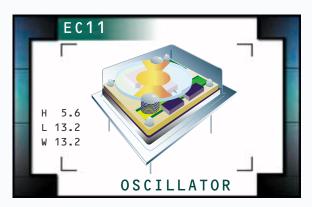
## **EC11 Series**

- HCMOS/TTL output
- 5.0V supply voltage
- 8 pin DIP package
- Stability to 20ppm
- Custom lead length, gull wing options available

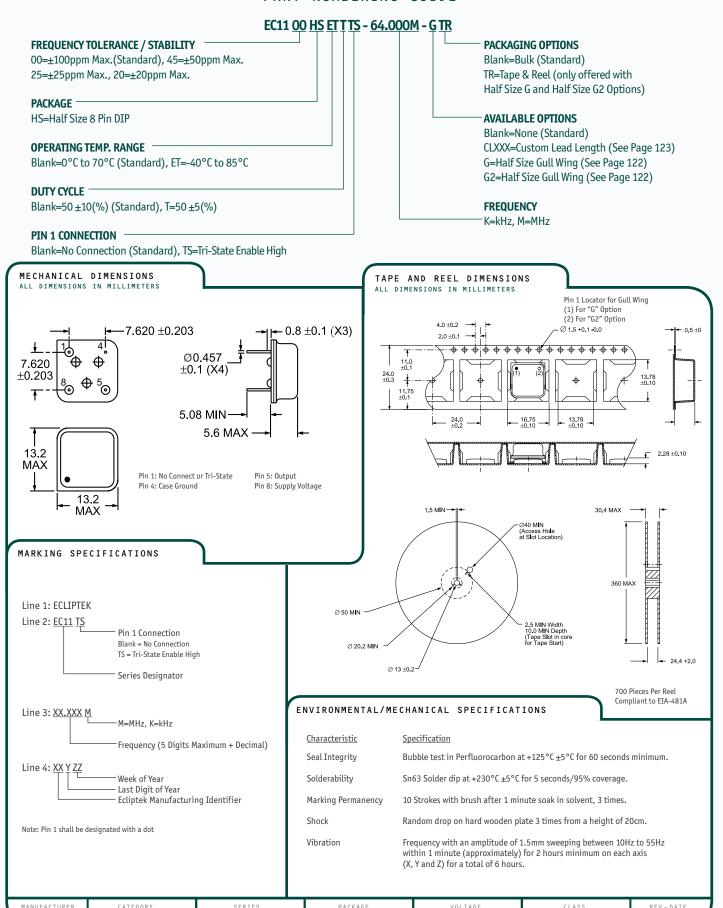




## ELECTRICAL SPECIFICATIONS

Operating Temperature Range Storage Temperature Range Supply Voltage (VDD) Input Current Frequency Tolerance / Stability	250.000kHz to 24.			0°C to 70°C or -40°C to	85°C	
Supply Voltage (V <sub>DD</sub> ) Input Current	250.000kHz to 24.			EE0C1 40E0C	0°C to 70°C or -40°C to 85°C	
Input Current	250.000kHz to 24.		Storage Temperature Range			
	250.000kHz to 24.			5.0V <sub>DC</sub> ±10%		
Frequency Tolerance / Stability	250.000kHz to 24.000MHz		45mA Maximum			
Frequency Tolerance / Stability	24.001MHz to 50.000MHz			55mA Maximum		
Frequency Tolerance / Stability	50.001MHz to 66.6	567MHz		65mA Maximum		
Frequency Tolerance / Stability	66.668MHz to 106.250MHz			85mA Maximum		
	Inclusive of Operating Temperature Range, Supply Voltage,			±100ppm, ±50ppm, ±25ppm, or		
	and Load			±20ppm Max. (0°C to 70°C Only)		
Output Voltage Logic High (V <sub>OH</sub> )	w/TTL Load			2.4V <sub>DC</sub> Minimum		
	w/HCMOS Load			V <sub>DD</sub> -0.5V <sub>DC</sub> Minimum		
Output Voltage Logic Low (V <sub>OL</sub> )	w∕∏L Load			0.4V <sub>DC</sub> Maximum		
	w/HCMOS Load			0.5V <sub>DC</sub> Maximum		
Rise Time / Fall Time	$0.4V_{DC}$ to $2.4V_{DC}$ w/TTL Load; 20% to 80% of			6 nSeconds Maximum		
	Waveform w/HCMOS Load ≤66.667MHz					
	$0.4 V_{DC}$ to $2.4 V_{DC}  w/TTL$ Load; 20% to 80% of			3 nSeconds Maximum		
	Waveform w/HCMOS Load >66.667MHz					
Duty Cycle	at 1.4V $_{\mbox{\scriptsize DC}}$ w/TTL Load; at 50% of Waveform w/HCMOS Load			50 ±10(%) (Standard)		
	at 1.4 $V_{DC}$ w/TTL Load or w/HCMOS Load $\leq$ 66.667MHz			50 ±5(%) (Optional)		
	at 50% of Waveform w/LSTTL Load or			50 ±5(%) (Optional)		
	w/HCMOS Load >66.667MHz					
Load Drive Capability	250.000kHz to 24.000MHz			10TTL Load or 50pF HCMOS Load		
	24.001MHz to 66.667MHz			10TTL Load or 15pF HCMOS Load		
	66.668MHz to 106.250MHz			10LSTTL Load or 15pF HCMOS Load		
Pin 1 Tri-State Input Voltage	V <sub>IH</sub> :No Connection			Enables Output		
	$V_{IH}:\geq 2.2V_{DC}$			Enables Output		
	$V_{IL}$ : $\leq$ 0.8 $V_{DC}$			Disables Output: High Impedance		
Aging (at 25°C)				±5ppm / year Maximum	ł	
Start Up Time				10mSeconds Maximum		
Period Jitter: Absolute			±100pSeconds Maximum			
Period Jitter: One Sigma				±25pSeconds Maximum	1	
ANUFACTURER CATEGORY ECLIPTEK CORP. OSCILLATOR	SERIES EC11	PACKAGE 8 pin DIP	VOLTAGE 5.0V	CLASS OSO5	REV = DAT 06/00	

## PART NUMBERING GUIDE



EC11

OSCILLATOR

ECLIPTEK CORP.

5.0V

0505

06/00

8 pin DIP