EP26 Series

- RoHS Compliant (Pb-Free)
- EPO™ Programmable Oscillators
- 3.3V supply voltage
- LVHCMOS output
- Ceramic SMD package
- Stability to 50ppm
- Available on tape and reel



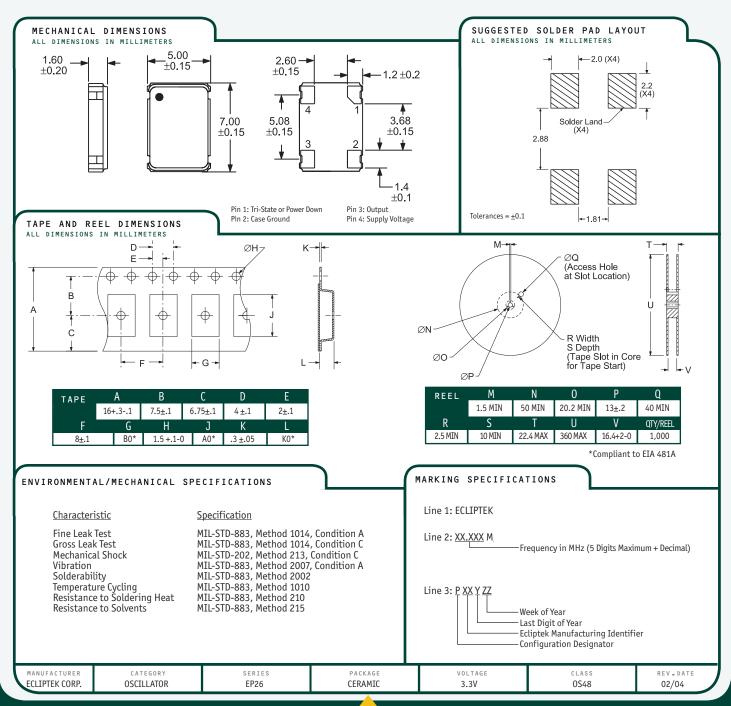


ELECTRICAL SPECIFICATIONS

Frequency Range				1.000MHz to 106.250MHz			
Operating Temperature Range					-20°C to 70°C or -40°C to 85°C		
Storage Temperatur	re Range				-55°	°C to 125°C	
Supply Voltage (VDD)					$3.3V_{DC} \pm 0.3V_{DC}$		
Input Current					28mA Maximum (Unloaded)		
Disable Current (TS Option)					16mA Maximum (Pin 1=Ground)		
Standby Current (P	D Option)				20μA Maximum (Pin 1=Ground)		
Frequency Tolerance / Stability		Inclusive of all conditions: Calibration Tolerance at 25°C,			±100ppm or ±50ppm Maximum		
		Frequency Stability o	ver the Operating Temp	erature Range,			
		Supply Voltage Change, Output Load Change, First Year Aging					
		at 25°C, Shock, and Vibration					
Output Voltage Logic High (V _{OH})					V_{DD} -0.4 V_{DC} Minimum I_{OH} =-8mA		
Output Voltage Log	ic Low (V _{oL})				0.4V _{DC} Maximum I _{OL} =+8mA		
Rise Time / Fall Tim	ie	20% to 80% of waveform			4 nSeconds Maximum		
Duty Cycle		at 50% of waveform			50 ±10(%) (Standard)		
		at 50% of waveform (≤50.000MHz Only)			50 ±5(%) (Optional)		
Load Drive Capability		≤50.000MHz			30pF HCMOS Load Maximum		
		>50.000MHz			15p	F HCMOS Load Maximun	ı
Output Control Function		TS			Tri-State		
		PD			Pow	er Down	
Output Control Function Input Voltage		V_{IH} : No Connection or \geq 70% of V_{DD}			Enables Output		
		V_{IL} : (TS Option) \leq 20% of V_{DD}			Disable Output: High Impedance		
		V_{IL} : (PD Option) \leq 20% of V_{DD}			Disable Output: Logic Low		
Aging (at 25°C)					±5ppm / year Maximum		
Start Up Time					10 mSeconds Maximum		
Period Jitter: Absolute		≤33.000MHz			±250pSec Maximum, ±100pSec Typical		
		>33.000MHz			±125pSec Maximum, ±75pSec Typical		
Period Jitter: One Sigma		≤33.000MHz			±50pSec Maximum		
		>33.000MHz			±40pSec Maximum		
MANUFACTURER ECLIPTER CORP	CATEGORY	SERIES	PACKAGE	VOLTAGE		CLASS	REV = DATE
ECLIPTEK CORP.	OSCILLATOR	EP26	CERAMIC	3.3V		0S48	02/04

PART NUMBERING GUIDE

EP26 00 ETTTS - 24.000M TR FREQUENCY TO LERANCE / STABILITY -**AVAILABLE OPTIONS** 00=±100ppm Maximum (Standard) Blank=Bulk (Standard) 45=±50ppm Maximum TR=Tape and Reel **OPERATING TEMP. RANGE FREQUENCY** Blank=-20°C to 70°C or ET=-40°C to 85°C **OUTPUT CONTROL FUNCTION** TS=Tri-State **DUTY CYCLE** -PD=Power Down Blank=50 ±10(%) (Standard)



 $T=50 \pm 5(\%)$