

EOC14T OCXO

5.00MHz to 40.00MHz

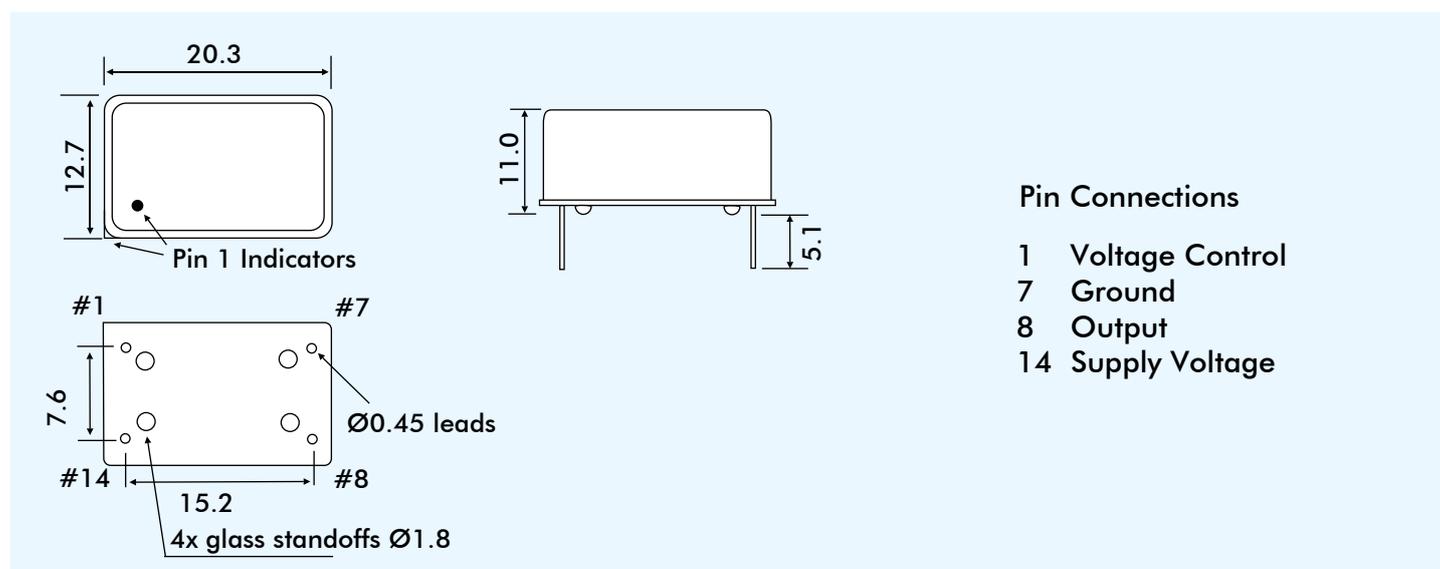
- 20.3 x 12.7 x 11.0mm package
- Through-hole metal package
- +3.3V, +5.0V supply voltage options
- Electronic Frequency Tuning as standard



GENERAL SPECIFICATION

Output Waveform	Square Wave			
Supply Voltage	+3.3V±5%		+5.0V±5%	
Frequency Range	5.0 ~ 40.0MHz Standard Frequency: 10.000MHz			
Initial Calibration Tolerance	±500ppb (max.)			
	Vcon = +1.65V		Vcon = +2.5V	
Crystal Cut	SC-cut or IT-cut			
Frequency Stability	vs Temperature	±50ppb max. over 0°C to +70°C		
		±100ppb max. over -30°C to +70°C		
		±100ppb max. over -40°C to 85°C		
	vs Voltage Change	±50ppb max. for ±5% voltage change		
	vs Warm-up Time (+25°C)	10 min. max., within ±100ppb of its reference frequency		
	vs Aging	±5ppb max. after 30 days, ±500ppb max. first year, ±3ppm max. over 10 years		
Voltage Control (EFC)	Frequency Deviation Range	> ±5ppm, reference to Fo at +25°C and over temp. range		
	Control Voltage Range	+1.65±1.65V		+2.5±2.5V
	Transfer Function	Positive: Increasing control voltage increases output frequency		
	Input Impedance	50k Ω min.		
	EFC Linearity	±10% max.		
Power Dissipation (at +25°C)	0.8W max. at steady state; 600mA max. at turn-on			
Output	Load	15pF		
	Output Logic High	+2.4V min.		
	Output Logic Low	+0.5V max.		
	Duty Cycle	50±5% at +2.0V		
	Rise and Fall Time	7nsec. max (20% ~ 80% of waveform)		
	Phase Noise Offset (typ. at 10.0MHz)	1Hz	10Hz	1kHz
	-70dBc	-108dBc	-140dBc	-150dBc

PACKAGE OUTLINE



ORDERING/PART NUMBER GENERATION