

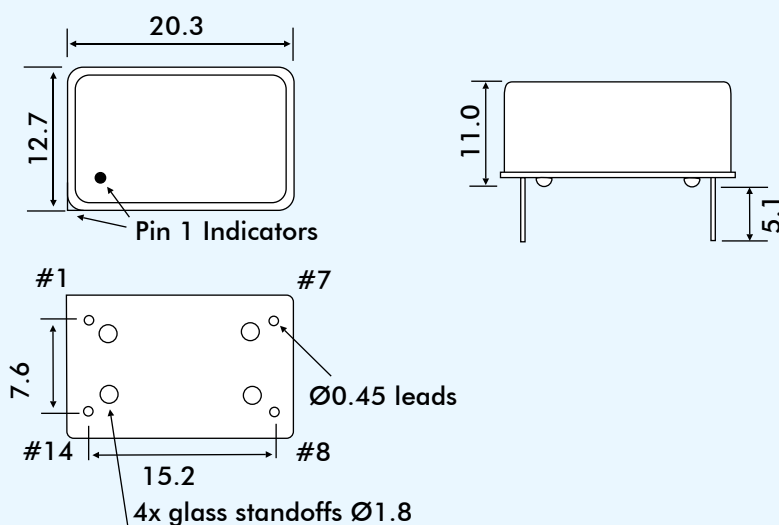
EOC14T OCXO
5.00MHz to 40.00MHz

- 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

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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	10kHz
		-70dBc	-108dBc	-140dBc	-150dBc

PACKAGE OUTLINE

Pin Connections

- 1 Voltage Control
- 7 Ground
- 8 Output
- 14 Supply Voltage

Issue 1

ORDERING/PART NUMBER GENERATION