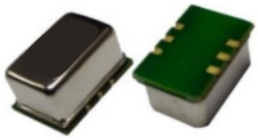
EOC41T OCXO 5.00MHz to 40.00MHz

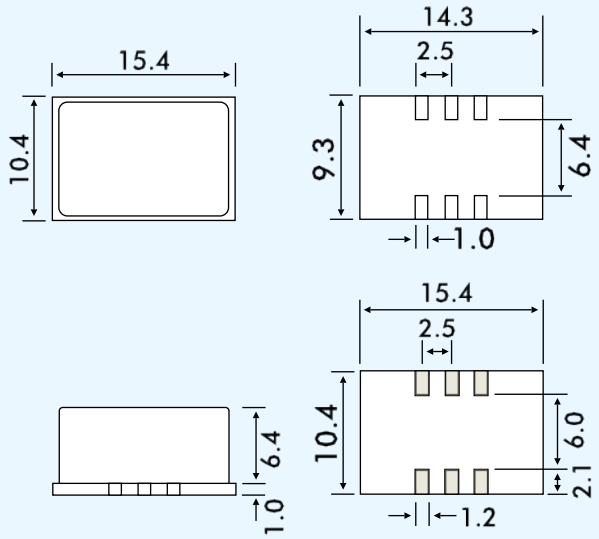
- **15.4 x 10.4 x 7.4mm package**
- **Surface mount package**
- **+3.3V supply voltage**
- **Electronic Frequency Tuning as standard**



GENERAL SPECIFICATION

Output Waveform		Square Wave			
Supply Voltage		+3.3V±5%			
Frequency Range		5.0 ~ 40.0MHz Standard Frequency: 10.000MHz			
Initial Calibration Tolerance		±500ppb max. , ±200ppb max. available			
		Vcon = +1.65V			
Crystal Cut		IT-cut			
Frequency Stability	vs Temperature	±20ppb max. over -20°C to +70°C			
		±30ppb max. over -40°C to 85°C			
	vs Voltage Change	±10ppb max. for ±5% voltage change			
	vs Warm-up Time (+25°C)	5 min. max., within ±100ppb of its reference frequency			
	vs Aging	±3ppb max. after 30 days, ±400ppb max. first year, ±2ppm 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			
	Transfer Function	Positive: Increasing control voltage increases output frequency			
	Input Impedance	50k Ω min.			
	EFC Linearity	±10% max.			
Power Dissipation (at +25°C)		0.6W 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 +1.65V			
	Rise and Fall Time	7nsec. max (20% ~ 80% of waveform)			
	Phase Noise Offset (typ. at 20.0MHz)	10Hz	100Hz	1kHz	10kHz
		-98dBc	-126dBc	-145dBc	-152dBc

PACKAGE OUTLINE



Pad Connections

Pad 1: Voltage Control
Pad 2: No Connection
Pad 3: Ground
Pad 4: Output
Pad 5: No Connection
Pad 6: Supply Voltage

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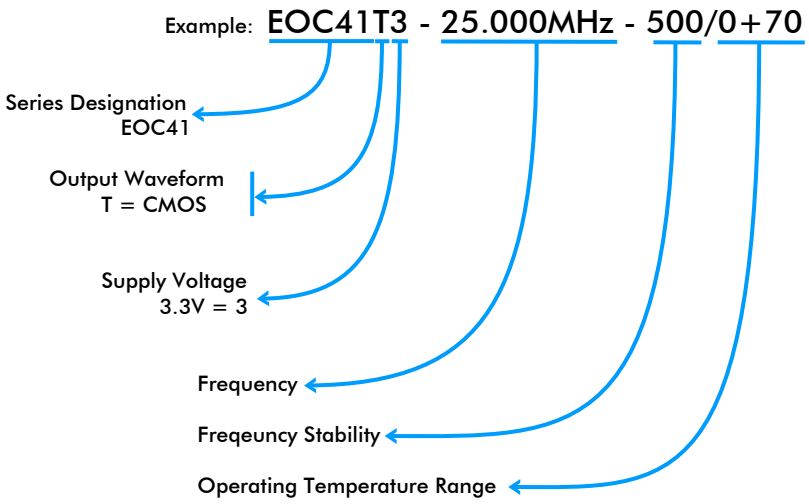
ORDERING/PART NUMBER GENERATION



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