

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

- ▶ HCMOS TCXO/VC-TCXO
- ▶ 5.0 x 3.2 mm Footprint
- ▶ Pb Free/RoHS
- ▶ Peak solder temp +260°C (10 sec)
- ▶ MSL 1
- ▶ Lead Finish Au

ECS-TXO-5032

HCMOS TCXO

ECS-TXO-5032 (3.3V) HCMOS SMD TCXO and ECS-VTXO-5032 (3.3V) HCMOS SMD VC-TCXO are ideal for portable, wireless applications where stability is critical.

OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

PARAMETERS	CONDITIONS				UNITS
		MIN	TYP	MAX	
Frequency Range		6.400		38.400	MHz
Operating Temperature	*Standard	-30		+85	°C
Storage Temperature		-40		+90	°C
Input Voltage	VDD	+3.135	+3.3	+3.465	VDC
Frequency Stability	vs. Temp (-30 ~ +85°C)			± 2.5	ppm
	vs. Supply Change (±5%)			± 0.3	ppm
	vs. Load Change (±5%)			± 0.3	ppm
	vs. Aging/year			± 1.0	ppm
Frequency Tolerance	@ +25°C ±2°C			±1.5	ppm
Current Consumption				6.0	mA
"0" level	VOL			0.5	VDC
"1" level	VOH	80% VDD			VDC
Output Symmetry	@ 50% VDD Level			40/60	%
Rise and Fall Times	10% VDD to 90% level			10	ns
Output Load	CMOS			15	pF
Start-up Time				2.0	mS
Phase Noise	@ 1 KHz offset			-135	dBc/Hz
ECS-VTXO-5032 Option					
Control Voltage	Pin 1	+0.15	+1.65	+3.15	VDC
Pullability		±5			ppm

DIMENSIONS (mm)

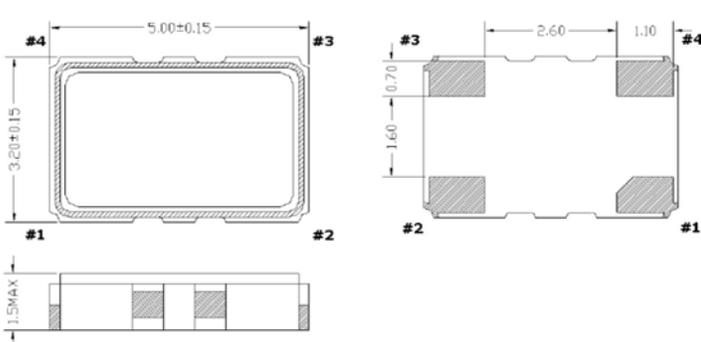


Figure 1) Top, Side and Bottom views

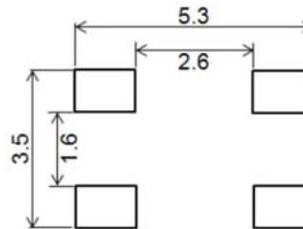


Figure 2) Suggested Land Pattern

Pin Connections	
Pin #1	N/C or VCONT
Pin #2	Ground
Pin #3	Output
Pin #4	VDD

PART NUMBERING GUIDE: Example ECS-TXO-5032-250-TR

ECS - Series - Frequency Abbreviation - Stability - Temp - TR

TXO-5032= TCXO
VTXO-5032=VC-TCXO

250 = 25.000 MHz
See Developed Frequencies

Standard
Blank = ±2.5 ppm
Custom Options
B= ±1.5 ppm
C= ±1.0 ppm

Standard
Blank = -30 ~ +85°C
Custom Options
* N= -40 ~ +85°C

TR=
Tape & Reel

Developed Frequencies	
* Abbreviation	Frequency (MHz)
100	10.000
120	12.000
122.8	12.288
147.4	14.7456
160	16.000
200	20.000
250	25.000
270	27.000

* Consult Factory for availability of ±1 ppm -40 ~ +85°C