

# VFTX301

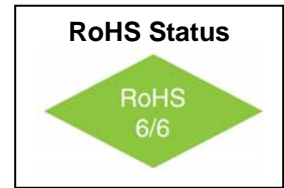
## TCXO with Voltage Control Option

### 5x3.2mm Surface Mount, Clipped Sine Wave



#### Features

- Frequency range of 10MHz to 40MHz
- Excellent Frequency Stability
- Low Phase noise
- Wide range of pullability options
- Low power consumption



#### Applications

- Portable equipment
- Telecommunications
- Data acquisition

Parameter	Symbol	Condition	Min	Typ	Max	Unit	Note
Frequency Range	F		10 10		26 40	MHz	5V 3V
Frequency Stability	$\Delta F/F$	Vs. Operating Temperature B: 0°C to +70°C G: -40°C to +85°C			$\pm 0.5$ $\pm 2.5$	ppm	Select max. stability. See Ordering Information
		Vs. Supply Voltage Vs. Aging / Year		$\pm 0.2$ $\pm 1$		ppm/V ppm	
Operating Temperature Range	T		0° -40°		+70° +85°	°C	Order Code B Order Code G
Output		Clipped Sine	0.8Vp-p minimum				
Load		10K $\Omega$ //10pF					
Supply Voltage	V <sub>CC</sub>	External 150pF decoupling capacitor recommended	4.75 2.8	5.00 3.0	5.25 3.3	V	Order Code D Order Code F
Voltage Control	V <sub>C</sub>		0.5 0.5		4.5 2.5	V	
Input Impedance			1M			$\Omega$	
Pullability						ppm	See Ordering Information
Deviation slope		<i>Monotonic positive</i>					
Linearity			-10		+10	ppm/V	
Modulation BW			10			KHz	3dB BW
SSB Phase Noise		@100 Hz @ 1 KHz @10 KHz		-115 -135 -150		dBc/Hz	F <sub>0</sub> =13MHz
Start up					2	ms	



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### How to Order

