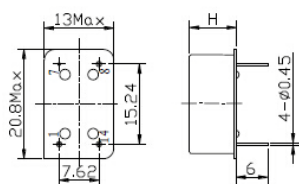


# 514B TCXO

## Technical Specifications

<b>Standard Frequency</b>	100 MHz		
<b>Phase Noise</b> (dBc/Hz)	<b>Option: S</b>	<b>Option: L</b>	<b>Option: U</b>
100 Hz	-100	-105	-100
1 KHz	-135	-140	-145
10 KHz	-145	-150	-150
100 KHz	-150	-155	-155
<b>Aging</b> (after 30 days of continuous operation)	$\leq 3 \times 10^{-7}$ / year		
<b>Input voltage range</b>	5 VDC		
<b>Output specifications</b>			
Output Wave form	Sine wave		
Frequency stability vs Temperature (-40°C to 70°C)	$\leq 5 \times 10^{-7}$		
Frequency stability vs Voltage	$\leq \pm 5 \times 10^{-7}$		
Frequency stability vs Load	$\leq \pm 5 \times 10^{-7}$		
Harmonics	$\leq -25$ dBc		
Spurious	$\leq -70$ dBc		
Load	50 $\Omega$		
Level	7 $\pm$ 2 dBm		
Storage Temperature Range	-40°C to 85°C		
Vibration	MIL-STD-202G		
<b>Frequency control</b>	0 ~ 5Volts		
<b>Size</b> (L×W×H)	20.8×13×9 mm		

## Outline drawing and Electrical connections (mm)



1. Control voltage
7. Ground
8. RF output
14. Voltage supply

**Ordering Information:** 514B-xx-xx

Example: 514B-U-100MHz