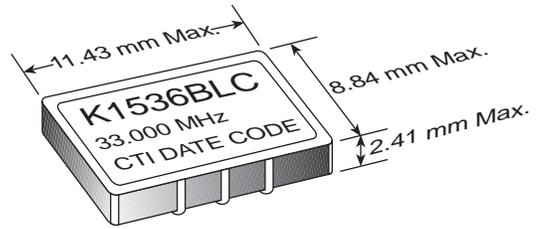


K1536BLC

LOW COST SURFACE MOUNT VCXOS

- ▲ 2.0 to 55 MHz Frequency Range
- ▲ 0.3V to 3.0V Control Voltage Range
- ▲ Tri-state Function Option for Automatic Testing
- ▲ -40°C to 85°C Operating Temperature
- ▲ Tape and Reel Packaging
- ▲ General PLL Applications
- ▲ Small Package Size; Industry-Standard Pad Footprint
- ▲ A Cost-Effective, SMT Alternative
- ▲ 3.3V operation



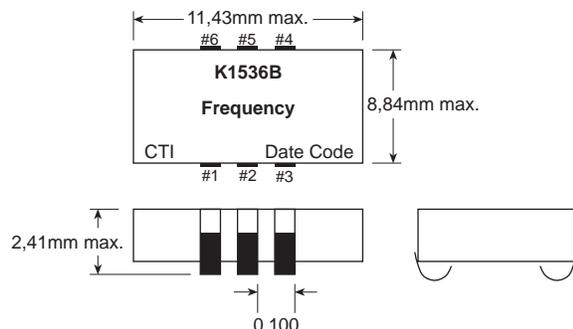
MECHANICAL DIMENSIONS

ELECTRICAL SPECIFICATIONS

MODEL	K1536BLC	
Parameters		
Frequency Range (MHz)	2 to 55	
Temperature Range	0°C to 70°C	-40°C to 85°C
Storage Temp.	-55°C to +125°C	
Frequency Stability (ppm)	25ppm(typical)	50ppm(typical)
Total Pull Range (Typical)	±120 ppm	
Minimum Tuning Limit (MTL)*	± 60ppm	± 50ppm
Linearity	<10%	
Modulation Bandwidth (±3dB)	> 20 KHz	
Nominal Control Voltage	+1.65V	
Voltage Control Range	0.3V to 3.0V	
Transfer Function	Positive	
Input Impedance	>50 ohms @ 10 KHz	
Supply Voltage	+3.3 ± 10%	
Input Current	< 30 ma @ 55mhz	
Output	CMOS	

PIN	Function	SAMPLE ORDERING INFORMATION	
1	Control Voltage	Quantity:	One
2	Tri-state	Model No:	K1536BLC "M" 40.000MHz
3	Ground		"Blank" — 0° to 70°C
4	Output		(M). "M" -40° to +85°C
5	No Connection		
6	Vcc		

* MTL > (Total Pull Range) – (Frequency variations due to calibration, temperature, power supply, and aging)



CHAMPION TECHNOLOGIES, INC.

1-800-888-1499 or www.champtech.com

