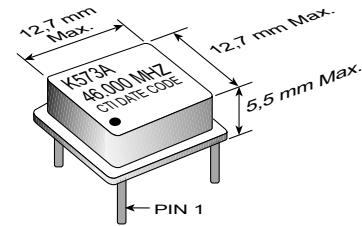


3.3V Voltage Controlled Crystal Oscillators

- ◆ **Applications:** Phase-Locked Loops (PLL's); Clock Recovery; Reference Signal Tracking; Synthesizers; Frequency Modulation/Demodulation
- ◆ 8-pin Half DIL Package
- ◆ 1.0 to 52.0 MHz Frequency Range
- ◆ 0.3V to 3.0V Control Voltage
- ◆ ±25ppm Stability
- ◆ -40°C to 85°C Operating Temperature



ELECTRICAL SPECIFICATIONS

Model	K573A	
Frequency Range (MHz)	1 to 52	
Input Current (mA)	< 26	
Frequency Control Function	(For Custom Deviation Range, Vc Range, etc. - Consult Factory)	
Deviation (ppm)		
Minimum	±100	
Maximum	±150	
Linearity (%)	< 10	
Modulation Bandwidth (±3dB)	> 20KHz	
Nominal Control Voltage (V)	1.65	
Control Voltage Range (V)	0.3 to 3.0	
Transfer Function	Positive	
Input Impedance	> 50KΩ @ 10KHz	
Frequency Stability (ppm)		
Overall	Inclusive of Calibration, Temperature, Voltage, Load and Aging	
0°C to +70°C	±25	
-40°C to +85°C	±50	
Temperature Range (°C)		
Operating	-40°C to +85°C	
Storage	-55°C to +125°C	
Supply Voltage (V)	+3.3V ±5%	
Symmetry (%) CMOS/TTL	40/60	
Start Up Time (ms)	<10	
Typical SSB Phase Noise (dBC/Hz)	10Hz	-65
Offset from Carrier	100Hz	-95
	1KHz	-120
	10KHz	-140
	100KHz	-150

PART NUMBERING GUIDE

K573A XX - Specify Frequency

 "Blank" = 0°C to 70°C Operating Temp.

 "M" = -40°C to +85°C Operating Temp.

 "A" = ±25ppm (0°C to 70°C Op. Temp. Only)

 "B" = ±50ppm

