

MVS Series

VCXO



- Voltage Control Crystal Oscillators, DIP14
- Sine Wave Output
- Widely used for the telecommunications, Aerospace, defense and Military Industries.

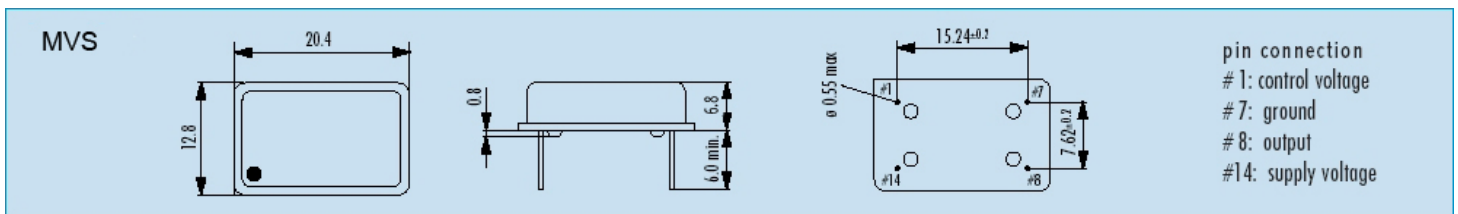
General Data

type		MVS
frequency range		1.0000~200.0MHz
frequency stability over all		± 5ppm ~ ± 25ppm
current consumption		40mA (max.)
supply voltage V _{DC}		5.0 V (3.3V±5% optional)
frequency pulling range min.		± 100ppm ~± 300ppm
pulling control voltage		2.5 V ± 2.0 V
pulling linearity		<10%
temperature	operating	-40 °C ~ +85 °C
	storage	-55 °C ~ +125 °C
output	signal	Sinewave
	load	Nominal 50Ω
	harmonic suppression	> -30dBc
	noise suppression	> -80dBc
start-up time max.		10ms
Output level		>5dBm

Table 1: PHASE NOISE

Parameter	Condition	Min	Typ	Max	Unit	Note
SSB Phase Noise	100Hz		-120		dBc/Hz	@100 MHz
	1KHz		-140			
	10KHz		-154			
	100KHz		-160			

Environmental And Mechanical	
Mechanical Shock	Per MIL-STD-883 ,Method 2002 ,Cond.B
Thermal Shock	Per MIL-STD-883 ,Method 1011 ,Cond.A
Vibration	Per MIL-STD-883 ,Method 2007 ,Cond.A
Seal (only crystal)	Per MIL-STD-883, Method 1014, Condition B & C
Solderability	Per MIL-STD-883 ,Method 2003 ,Cond.A



Part Numbering Guide

