

VOLTAGE CONTROLLED CRYSTAL OSCILLATORS

VC100



FEATURES

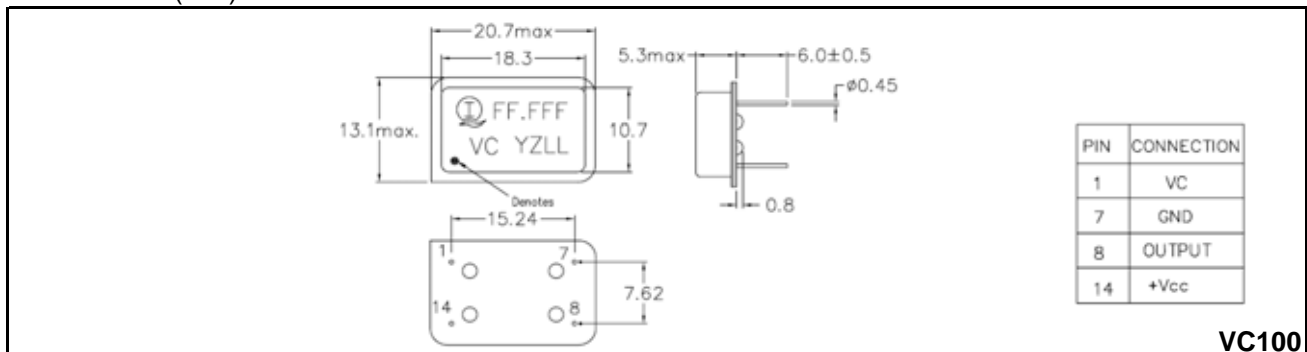
- 14 pin Dip package
- Low cost to performance ratio
- Gull wing version available



Item	Specifications	
Nominal Frequency Range	1.0MHz ~ 40.0MHz	
Frequency Stability ¹	±25ppm, ±50ppm	
Operating Temperature Range	-10°C to 70°C, -40°C to 85°C	
Storage Temperature Range	-55°C to 125°C	
Supply Voltage (V _{DD})	3.3V±5%, 5.0V±5%,	
Current Consumption	30mA Max.	
Rise & Fall Time	8ns Max.	
Absolute Pulling Range	±50ppm, ±100ppm	
Nominal Control Voltage	+1.6V ± 0.05V or +2.5V ± 0.05V	
Control Voltage Range	1.6V±1.35V, 2.5V±2.0V	
Linearity	10%	
Slope	Positive	
Output Waveform	CMOS, HCMOS	
Modulation Bandwidth (BW)	10KHz Min.	
Input Impedance	10KΩ Min.	
Symmetry	50% ± 10%	
Output Voltage	V _{OH}	2.4V _{DD} or 0.9V _{DD}
	V _{OL}	0.4V _{DD} or 0.1V _{DD}
Phase Noise	10Hz	-75dBc/Hz
	10KHz	-145dBc/Hz
Start-up Time	10ms Max.	

¹ Inclusive of initial frequency tolerance at 25°C, operating temperature range, supply voltage change, load variation and 1st year aging. Please consult our sales representatives for other specifications.

DIMENSION (mm)



VC100

All specifications are subject to change without notice.



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