

BVF53P SERIES LVPECL VCXO - 5.0 x 3.2 x 1.3mm

Frequency Range		1.000MHz to 80.000MHz (Fundamental)	
Supply Voltage $\pm 5\%$		2.5V	3.3V
Current Consumption		80mA max	
Pin 1 Control Voltage		1.25V \pm 1.05V (1.25V)	1.65V \pm 1.35V (1.65V)
Frequency Deviation		± 100 ppm min	
Linearity / Slope		10% / Positive	
Temperature Range	Operating Storage	-20 °C to +70°C or -40 °C to +85°C -55 °C to +125°C	
Frequency Stability		± 25 ppm to ± 50 ppm	
Output Load Condition		50 Ω to Vdd -2.0V	
Symmetry (Duty Cycle)		45% to 55%	
Output Rise / Fall Time (tr/tf)		1ns max (20% to 80%)	
High Output Voltage		Vdd-1.025V min to Vdd-0.88V max	
Low Output Voltage		Vdd-1.81V min to Vdd-1.62V max	
Pin 2 Tri-state	Output Enable Voltage	No Connection	
	Output Enable Voltage	70% Vdd	
	Output Disable Voltage	30% Vdd	
Oscillation Start Up Time		5ms max	
Aging		± 3 ppm max	
Phase Jitter (12kHz to 20MHz)		1ps max	
Note 1		Inclusive of calibration, temp stability, supply change, load change, shock and vibration, and 5 years aging	

PART NUMBERING GUIDE

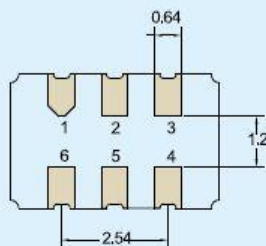
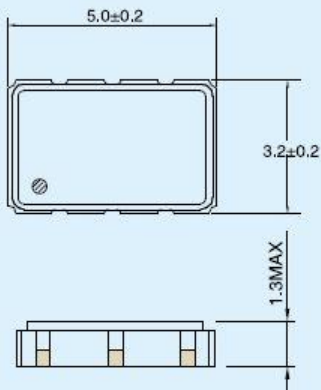
Series	Voltage	Temp Range/Stability	Pulling Range	Frequency
BVF53P	2.5V = 2	-20 °C - +70°C /25 ppm = A	± 100 ppm min = 10	25M000
	3.3V = 3	-40 °C - +85°C /25 ppm = B		
		-20 °C - +70°C /50 ppm = C		
		-40 °C - +85°C /50 ppm = D		

For other Tolerance, Stability, and Temperature options please consult factory

Example P/N: BVF53P – 3 – B – 10 – 25M000

To Request a Quote click here - www.beckelec.com/request-a-quote/

MECHANICAL DRAWING



CONNECTION

- #1 V,C
- #2 Tri-State
- #3 GND
- #4 OUTPUT 1
- #5 OUTPUT 2
- #6 Vdd

• Recommended Soldering Pattern

