

## BV32 SERIES CMOS VCXO - 3.2 x 2.5 x 1.2mm

Frequency Range	1.25MHz to 55.000MHz		
Supply Voltage $\pm 5\%$	1.8V	2.5V	3.3V
Current Consumption	10mA		
Pin 1 Control Voltage	0.9V $\pm$ 0.75V (0.9V)	1.25V $\pm$ 1.05V (1.25V)	1.65V $\pm$ 1.35V (1.65V)
Frequency Deviation	$\pm 100$ ppm min	$\pm 150$ ppm min	
Linearity / Slope	10% / Positive		
Temperature Range	-20 °C to +70°C or -40 °C to +85°C		
Operating Storage	-55 °C to +125°C		
Frequency Stability	$\pm 25$ ppm to $\pm 50$ ppm		
Output Load Condition (CMOS)	15pF		
Symmetry (Duty Cycle)	45% to 55%		
Output Rise / Fall Time (tr/ff)	5ns max (20% to 80%)		
High Output Voltage	90% Vdd		
Low Output Voltage	10% Vdd		
Oscillation Start Up Time	5ms max		
Aging	$\pm 3$ ppm max		
Phase Jitter (12kHz to 20MHz)	100 ps		
Period Jitter (Pk to Pk)	25ps max		
Note 1	Inclusive of calibration, temp stability, supply change, load change, shock and vibration, and 5 years aging		

## PART NUMBERING GUIDE

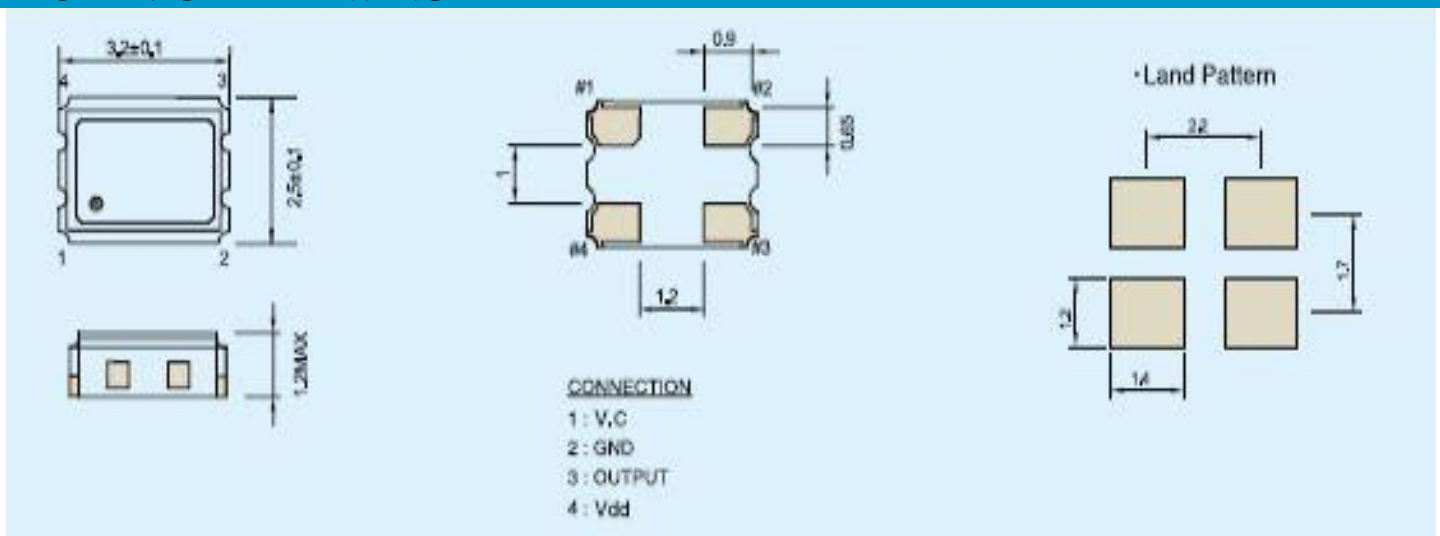
Series	Voltage	Temp Range/Stability	Pulling Range	Frequency
BV32	1.8V = 1	-20 °C - +70°C /25 ppm = A	$\pm 100$ ppm min = 10	20M000
	2.5V = 2	-40 °C - +85°C /25 ppm = B	$\pm 150$ ppm min = 15	
	3.3V = 3	-20 °C - +70°C /50 ppm = C		
		-40 °C - +85°C /50 ppm = D		

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

**Example P/N: BV32 – 3 – C – 10 – 20M000**

To Request a Quote click here - [www.beckelec.com/request-a-quote/](http://www.beckelec.com/request-a-quote/)

## MECHANICAL DRAWING



6718 N. 59th Avenue, Glendale, AZ 85301 ▪ Phone: 623-435-6555

Website: [www.beckelec.com](http://www.beckelec.com) ▪ Email: [sales@beckelec.com](mailto:sales@beckelec.com)