

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	± 100 ppm min		± 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	± 25 ppm to ± 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	± 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

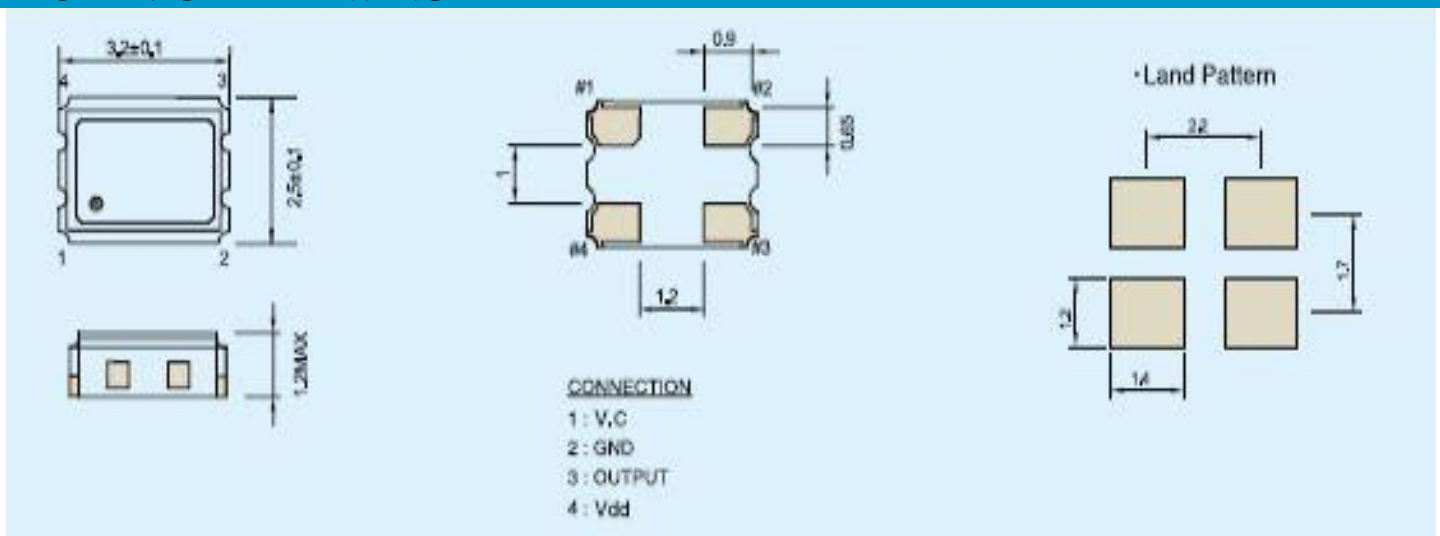
Series	Voltage	Temp Range/Stability	Pulling Range	Frequency
BV32	1.8V = 1	-20 °C - +70°C /25 ppm = A	± 100 ppm min = 10	20M000
	2.5V = 2	-40 °C - +85°C /25 ppm = B	± 150 ppm min = 15	
	3.3V = 3	-20 °C - +70°C /50 ppm = C		
		-40 °C - +85°C /50 ppm = D		

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/

MECHANICAL DRAWING



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