BECKELEC

RoHS compliant

BV146 SERIES CMOS VCXO - 14.4 x 9.6 x 5.5mm

Frequency Range		1.000MHz ~ 160.000MHz		
Supply Voltage ± 5%		3.3V	5.0V	
Current Consumption		50mA	65mA	
Pin 1 Control Voltage		1.65V±1.35V (1.65V)	2. 5V±2.0V (2.5V)	
Frequency Deviation		±50 ppm min	±100 ppm min	±150 ppm min
Linearity / Slope		10% / Positive		
Temperature Range	**Operating**	-20 °C to +70°C or -40 °C to +85°C		
	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/tf)		7ns max (20% to 80%)		
High Output Voltage		90% Vdd		
Low Output Voltage		10% Vdd		
	Output Enable Voltage	No Connection		
Pin 2 or 5 Tri-state	**Output Enable Voltage**	70% Vdd		
	Output Disable Voltage	30% Vdd		
Oscillation Start Up Time		5ms max		
Aging		±5 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

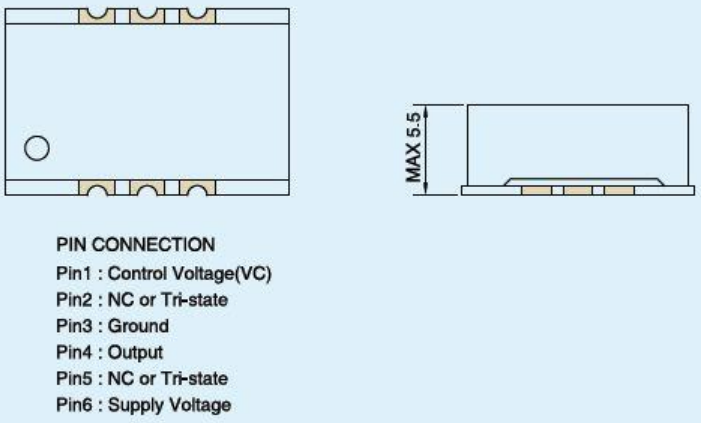
Series	Voltage	Temp Range/Stability	Pulling Range	Frequency
BV146	3.3V = 3	-20 °C - +70°C /25 ppm = A	±50 ppm min = 5	50M000
	5.0V = 5	-40 °C - +85°C /25 ppm = B	±100 ppm min = 10	
		-20 °C - +70°C /50 ppm = C	±150 ppm min = 15	
		-40 °C - +85°C /50 ppm = D		

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

Example P/N: BV146 – 3 – B – 15 – 50M000

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

MECHANICAL DRAWING



PIN CONNECTION
Pin1 : Control Voltage(VC)
Pin2 : NC or Tri-state
Pin3 : Ground
Pin4 : Output
Pin5 : NC or Tri-state
Pin6 : Supply Voltage

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