

BC21 SERIES CMOS OSCILLATOR - 2.0 x 1.6 x 0.7mm

Frequency Range	20.000MHz to 60.000MHz		
Supply Voltage $\pm 5\%$	1.8V	2.5V	3.3V
Output Load	15pF		
Current Consumption	20mA max		
Temperature Range	-20 °C to +70°C or -40 °C to +85°C		
Operating	-55 °C to +125°C		
Storage	±25 ppm to ±50 ppm		
Frequency Stability	±25 ppm to ±50 ppm		
Output	CMOS		
Symmetry (Duty Cycle)	45% to 55%		
Output Rise / Fall Time (tr/ff)	10ns max		
High Output Voltage	90% Vdd		
Low Output Voltage	10% Vdd		
Pin 1 Tri-state	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)	1 ps max		
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

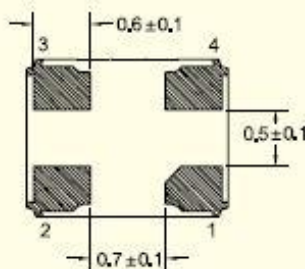
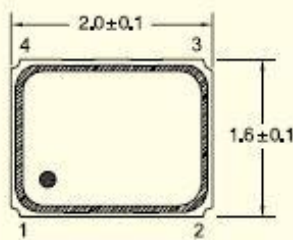
Series	Voltage	Temperature Range/Stability	Frequency
BC21	1.8V = 1	-20 °C to +70°C /25 ppm = A	25M000
	2.5V = 2	-40 °C to +85°C /25 ppm = B	
	3.3V = 3	-20 °C to +70°C /50 ppm = C	
		-40 °C to +85°C /50 ppm = D	

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

Example P/N: BC21 – 3 – B –25M000

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

MECHANICAL DRAWING



CONNECTION
 1: N.C or EN/DIS(Tri-State)
 2: GND
 3: OUTPUT
 4: Vdd

· Recommended Soldering Pattern

