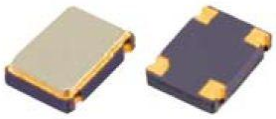
BECKELEC



RoHS compliant

BC75 SERIES CMOS OSCILLATOR - 7.0 x 5.0 x 1.7mm

Frequency Range		**32.768kHz to 250.000MHz**
Supply Voltage ± 5%		**(1.8V ~ 160MHz max), (2.5V, 3.3V ~ 250MHz) (5.0V ~ 125MHz max)**
Output Load		**15pF**
Current Consumption		**See Chart Below**
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		**CMOS**
Symmetry (Duty Cycle)		**45% to 55%**
Output Rise / Fall Time (tr/tf)		**10ns max (except 32.768kHz)**
High Output Voltage		**90% Vdd**
Low Output Voltage		**10% Vdd**
	Output Enable Voltage	**No Connection**
Pin 1 Tri-state	**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**

CURRENT CONSUMPTION: MAXIMUM mA

MHz	≤ 25	≤ 40	≤ 60	≤ 80	≤ 125	≤ 160	≤ 250
1.8V	4	6	10	15	25	30	
2.5V	6	8	12	18	30	35	40
3.3V	10	15	20	25	40	45	50
5.0V	15	20	30	35	50		

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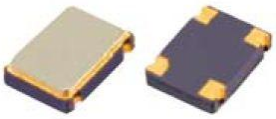


BC75 SERIES OSCILLATOR PART NUMBERING GUIDE

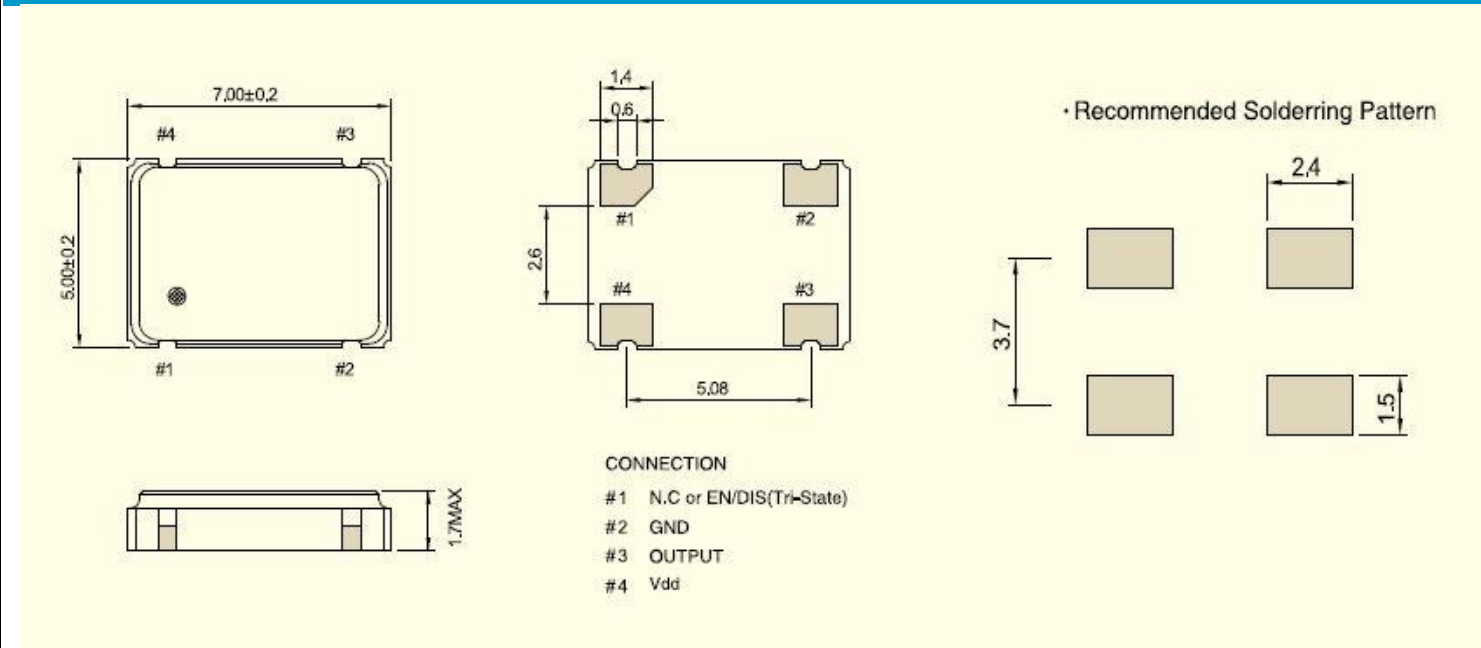
Series	Voltage	Temperature Range/Stability	Frequency
BC75	1.8V = 1	-20 °C to +70°C /25 ppm = A	25M000
	2.5V = 2	-40 °C to +85°C /25 ppm = B	
	3.3V = 3	-20 °C to +70°C /50 ppm = C	
	5.0V = 5	-40 °C to +85°C /50 ppm = D	

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

Example P/N: BC75 – 3 – B –25M000

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

MECHANICAL DRAWING



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