

BT5032C SERIES CMOS VC/TCXO - 5.0 x 3.2 x 1.2mm

Frequency Range	10.000MHz to 40.000MHz	
Frequency Stability	±2.0 ppm max (Check with Factory for Tighter Tolerance Requests)	
	±2.5 ppm max (See Chart Below)	
	±0.2 ppm max	
	±0.2 ppm max	
	±1.0 ppm max	
Supply Voltage ± 5%	3.3V	5.0V
Output	CMOS	
Output Load	15pF	
Output Level High "1"	90% Vdd min	10% Vdd max
Output Level Low "0"	45% / 55%	
Symmetry	6.0mA max	
Current Consumption	See Chart Below	
Temperature Range	-55°C to +125°C	
Operating	1.5V ± 1.0V	1.5V ± 1.0V
Storage	±5.0 ppm min	
Control Voltage		
Tuning Range		
Phase Noise @ 19.2MHz	100Hz offset	-115dBc/Hz
	1kHz offset	-135dBc/Hz
	10kHz offset	-148dBc/Hz

FREQUENCY STABILITY vs. TEMPERATURE (■ - available) (▲ – conditional) (x – not available)

Temp °C / ppm	±0.5	±1.0	±1.5	±2.0	±2.5
0 ~ +55	■	■	■	■	■
-10 ~ +60	■	■	■	■	■
-20 ~ +70	■	■	■	■	■
-30 ~ +85	▲	■	■	■	■
-40 ~ +85	x	▲	■	■	■

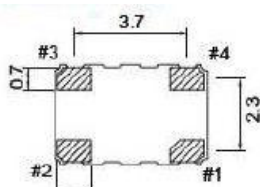
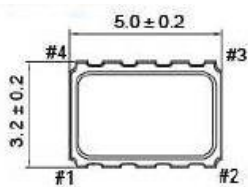
PART NUMBERING GUIDE

Series	Pin 1	Voltage	Stability vs. Temperature	Temp Range	Frequency
BT5032C	Voltage Control = V N/C = Blank	3.3V = 33 5.0V = 50	±2.5 = B ±2.0 = C ±1.5 = D ±1.0 = E ±0.5 = F	0 ~ +55 °C = 05 -10 ~ +60 °C = 10 -20 ~ +70 °C = 20 -30 ~ +85 °C = 35 -40 ~ +85 °C = 45	13M000

Example P/N: BT5032C – V – 50 – D – 45 – 13M000

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MECHANICAL DRAWING



Pad	Function
#1	VCON:VCTCXO GND / NO:TCXO
#2	GND
#3	Output
#4	VDD

