VTB01,TB01

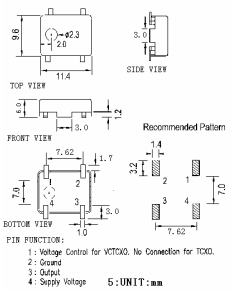
◆Excellent frequency stability across a wide temperature range..
◆SMD package.
◆Low power consumption.

Table1 Specifications

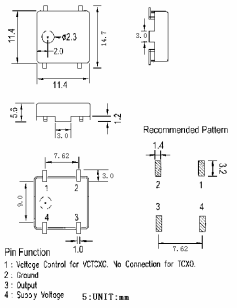
Parameter		VTB01/TB01
Frequency Range		10~30MHz
Initial Calibration Tolerance (@25℃±2℃)		±1ppm typical
Frequency Stability	vs Operation Temperature Range	See Table 2
	vs Vcc Change ±5%	±0.2ppm
	vs Load Change ±10%	±0.2ppm
	vs Aging	±1ppm/Year
Operation Temperature Range		See Table 2
Supply Voltage		3.0V±0.15V, 3.3V±10%, 5V±10%
Current Consumption		3mA max
Output	TTL /CMOS	Square Wave, Wave Form Code is “T”
	Clipped Sine	0.8Vp-p min,10kΩ//10pF Load, Wave Form Code is “CS”
Start-up Time		2ms max
SSB Phase Noise		-135dBc@1kHz, 10MHz, typical
VCTCXO only	Frequency Tuning Range	±12ppm typical
	Control Voltage Range	1.5V±1.0V@3.0V, 1.65V±1.0V@3.3V, 2.5V±2.0V@5.0V,
	Slope Polarity	Positive
	Linearity	10%max
Package		B11, B12
Storage Temperature Range		-40~+85℃

Table2 Frequency Stability vs Operation Temperature Range(Ref to 25℃) & Option Code

	±1.0ppm	±1.5ppm	±2.0ppm	±2.5ppm	±3.0ppm
0~50℃	A10	A15	A20	A25	A30
-10~60℃	B10	B15	B20	B25	B30
-20~70℃		C15	C20	C25	C30
-30~75℃		D15	D20	D25	D30



Package B12



Package B11

SMD TCXOs

Part Numbering Key

Sample Part Numbers

SERIES	SUPPLY VOLTAGE	OUTPUT FORM	FREQ. STABILITY vs.TEMP.	PACKAGE	FREQUENCY
VTB01 TB01	3=3.0V 3.3=3.3V 5=5.0V	T=TTL/CMOS CS=Clipped Sine	See Table2	B11,B12	
VTB01	**3.3**	**T**	**C20**	**B11**	**19.680MHz**

VTB01-3.3TC20-B11@19.680MHz