



3.6. Frequency Reference Specifications

SPECIFICATION OF VCTCXO TTS10V		13-11802
1. DESCRIPTION	This specification is applied for the VCTCXO.	
2. MOUNTING TYPE	S.M.D (for reflow soldering)	
3. ELECTRICAL CHARACTERISTICS		
3. 1 Nominal Frequency	12.600000MHz	
3. 2 Supply Voltage	DC+2.75V $\pm$ 0.15V	
3. 3 Input Current	1.5mA max.	
3. 4 Output Voltage	0.8Vp-p min. / Clipped Sinewave (DC cut)	
3. 5 Load	(10K Ω //10pF) $\pm$ 10%	
3. 6 Operating Temperature Range	-30 $^{\circ}$ C ~ +60 $^{\circ}$ C	
3. 7 Storage Temperature Range	-40 $^{\circ}$ C ~ +85 $^{\circ}$ C	
3. 8 Frequency Stability		
Frequency - Operating Temp. Range	$\pm 2.5 \times 10^{-6}$ max. -30 $^{\circ}$ C ~ +60 $^{\circ}$ C	
Frequency - Voltage Coefficient	$\pm 0.3 \times 10^{-6}$ max. DC+2.75V $\pm$ 0.15V	
Frequency - Load Coefficient	$\pm 0.2 \times 10^{-6}$ max. (10K Ω //10pF) $\pm$ 10%	
Frequency - Aging	$\pm 0.5 \times 10^{-6}$ max. / year	
3. 9 Initial Frequency Tolerance	$\pm 2.0 \times 10^{-6}$ max. / before reflow at 25 $\pm$ 2 $^{\circ}$ C	
Reflow soldering(2times)	$\pm 1.0 \times 10^{-6}$ max. / after reflow 60 mins stabilization	
3.10 Voltage Controlled Range	$\pm 9.0 \sim \pm 15.0 \times 10^{-6}$ V _c =1.4 $\pm$ 1.0V	
4. OUTLINE DRAWING AND PIN CONNECTIONS	Drawing Number 13-31039	
Aug. 23, 1999 Designer : <i>T. Suzuki</i>		TOKYO DENPA CO., LTD.