## (VC)TCXO Specification Preliminary

## Customer :

- 1. Type : 2520 TCXO
- 2. Nominal Frequency : 26.00000MHz
- 3. Model Name : TOJ26000FB
- 4. Operating Condition

Supply Voltage (Vcc)	+1.7V ~ +3.3V (Supply voltage based on nominal +2.8V+/-5%)
Output Load	10kohm//10pF +/-10%
Control Voltage (Vcont)	n/a

## 5. Electrical Characteristics

Parameter	Value	Conditions
Output Level	0.8Vp-p min.	Clipped sine wave (DC-coupled)
Current	1.5mA max.	
Operating Temperature Range	-40'C to +85'C	
Storage Temperature Range	-40'C to +85'C	
Frequency Stability		
vs. Temperature	+/-0.5ppm max. +/-3.0ppm max.	-30'C to +85'C -40'C to -30'C
	Referenced to the mid point between min. and max. frequency	
vs. Supply Voltage	+/-0.1ppm max.	+2.8V +/-5%
vs. Load	+/-0.2ppm max.	10kohm//10pF +/-10% each
vs. Aging	+/-1.0ppm max.	1 Year
vs. Reflow soldering	+/-1.0ppm max.	2 times
Initial Frequency Tolerance	+/-1.0ppm max.	25'C
Frequency Slope	+/-0.1ppm/'C	-20 to +70'C 1 frequency reading every 2'C
Startup Time	2ms max.	more than 90% of final amplitude
Phase Noise	-130dBc/Hz max.	1KHz offset
Harmonics	-7dBc max.	

## 6. Outline



Pad No.	Connection		
	VC-TCXO	ТСХО	
#1	Vcont	GND	
#3	GND	GND	
#4	Output	Output	
#6	Vcc	Vcc	
#2, #5	N.C.	N.C.	

Please connect a bypass capacitor closely to Vcc Pad. (10nF recommended)

MOBILE SOLUTION

