Product Specification

TCXO

Model	3TN4000XXX
Size	3225
Frequency	40.000000MHz
Type	TCXO
Vcc	+2.5V +/-5%
Vcont	-
AFC Range	-
Temp.	+/-2.5ppm @ -30 to +85'C
Slope	-
Initial Frequency	+/-1.0ppm

Issued Date	2015.5.27
Revised Date	
Customer	
Prepared part	R&D
Drawn	Bai CuiLi
Checked	Jin Zhe-
Approved	Liu GuoQiang

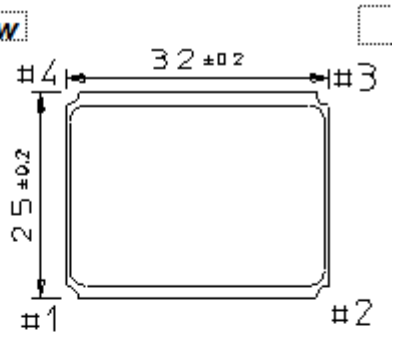
1. Electrical Characteristics

Supply Voltage (Vcc)	+2.4V ~ +2.6V (Supply voltage based on nominal +2.5V+/-5%)
Output Load	10kohm//10pF +/-10%
Control Voltage (Vcont)	-

Parameter	Value	Conditions
Output Level	0.8 Vp-p min	Clipped sine wave (DC-coupled) 10kohm//10pF +/-10% each
Current	2.0mA max.	10kohm//10pF +/-10% each
Operating Temperature Range	-30'C to +85'C	
Storage Temperature Range	-40'C to +85'C	
Frequency Stability		
vs. Temperature	+/-2.5ppm max.	Referenced to 25'C frequency
vs. Supply Voltage	+/-0.3ppm max.	+2.5V +/-5%
vs. Load	+/-0.3ppm max.	10kohm//10pF +/-10% each
vs. Aging	+/-1.0ppm max.	1 Year
vs. Reflow soldering	+/-1.0ppm max.	2 times • Guarantee at Reliability
Initial Frequency Tolerance	+/-1.0ppm max.	25'C
Voltage Control Range	-	-
Harmonics	-10dBc Max	• Guarantee at design

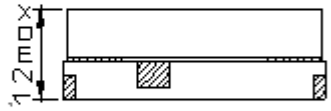
2. Outline Specification

Top View

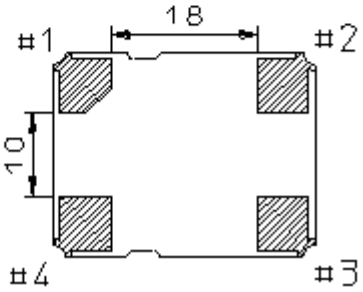


Pad No.	*Connection*
	TCXO
#1	GND
#2	GND
#3	Output
#4	Vcc

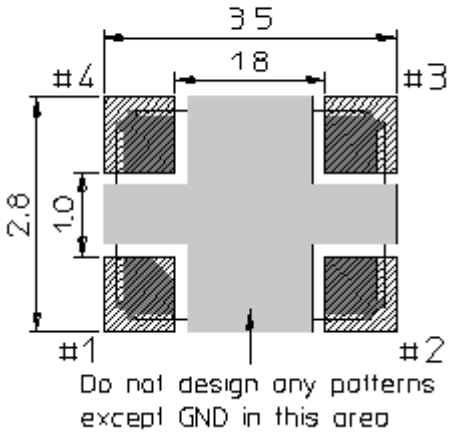
Side View



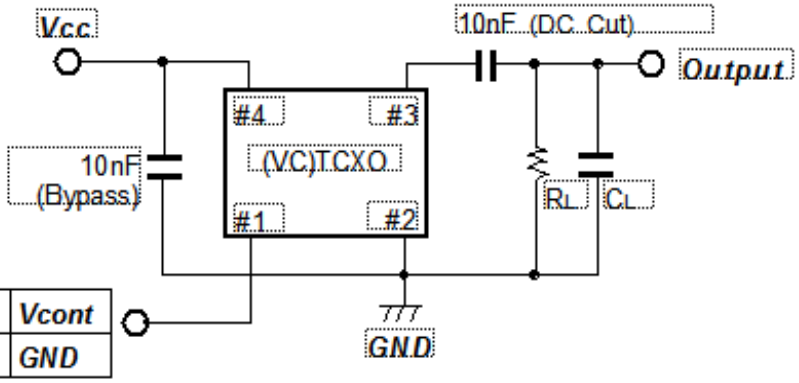
Bottom View



※ Recommended Land Pattern (Top View)



※ Measurement Circuit



VC-TCXO	*Vcont*
TCXO	*GND*

Note
Please connect a bypass capacitor closely to VCC Pad.
Load Capacitance (CL) includes probe and test board capacitance.