Product Specification

TCXO

Model	**3TG3200XXX**
Size	**3225**
Frequency	**32.000000MHz**
Type	**TCXO**
Vcc	**+3.0V +/-5%**
Vcont	**-**
AFC Range	**-**
Temp.	**+/-2.5ppm @ -30 to +85'C**
Slope	**-**
Initial Frequency	**+/-1.0ppm**

Issued Date	2015.6.3
Revised Date	
Customer	
Prepared part	R&D
Drawn	Bai CuiLi
Checked	Jin Zhe
Approved	Liu GuoQiang

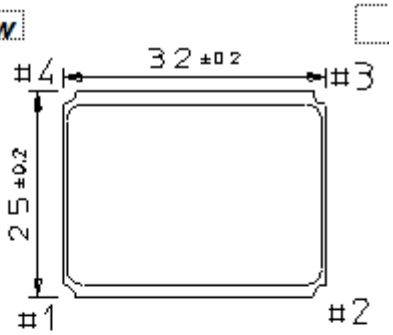
1. Electrical Characteristics

Supply Voltage (Vcc)	+2.7V ~ +3.3V (Supply voltage based on nominal +3.0V+/-5%)
Output Load	10kohm//10pF +/-10%
Control Voltage (Vcont)	-

Parameter	Value	Conditions
Output Level	0.8 Vp-p min	Clipped sine wave (DC-coupled)
Current	2.0mA max.	
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.	+3V +/-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
Initial Frequency Tolerance	+/-1.0ppm max.	25'C
Voltage Control Range	-	-
Phase Noise	-53 dBc/Hz typ. -83 dBc/Hz typ. -110 dBc/Hz typ. -130 dBc/Hz typ. -145 dBc/Hz typ.	1Hz offset 10Hz offset 100Hz offset 1KHz offset 10KHz offset

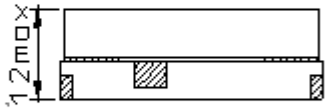
2. Outline Specification

Top View

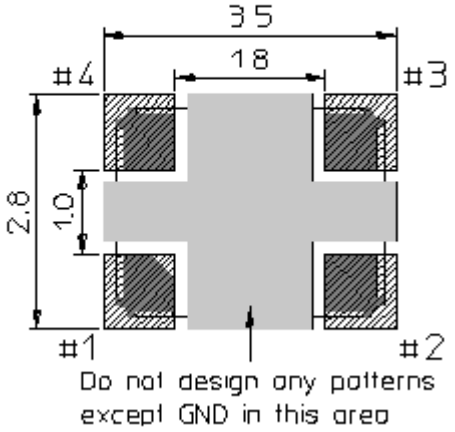


Pad No.	Connection
	TCXO
#1	GND
#2	GND
#3	Output
#4	Vcc

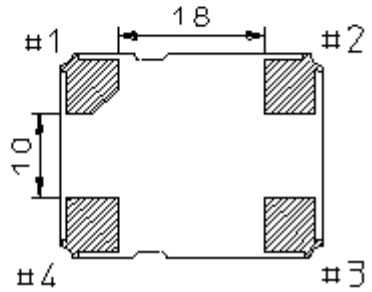
Side View



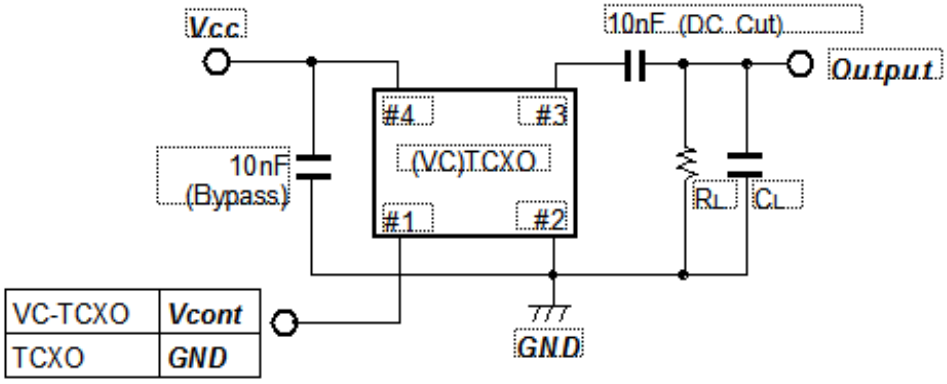
※ Recommended Land Pattern (Top View)



Bottom 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.