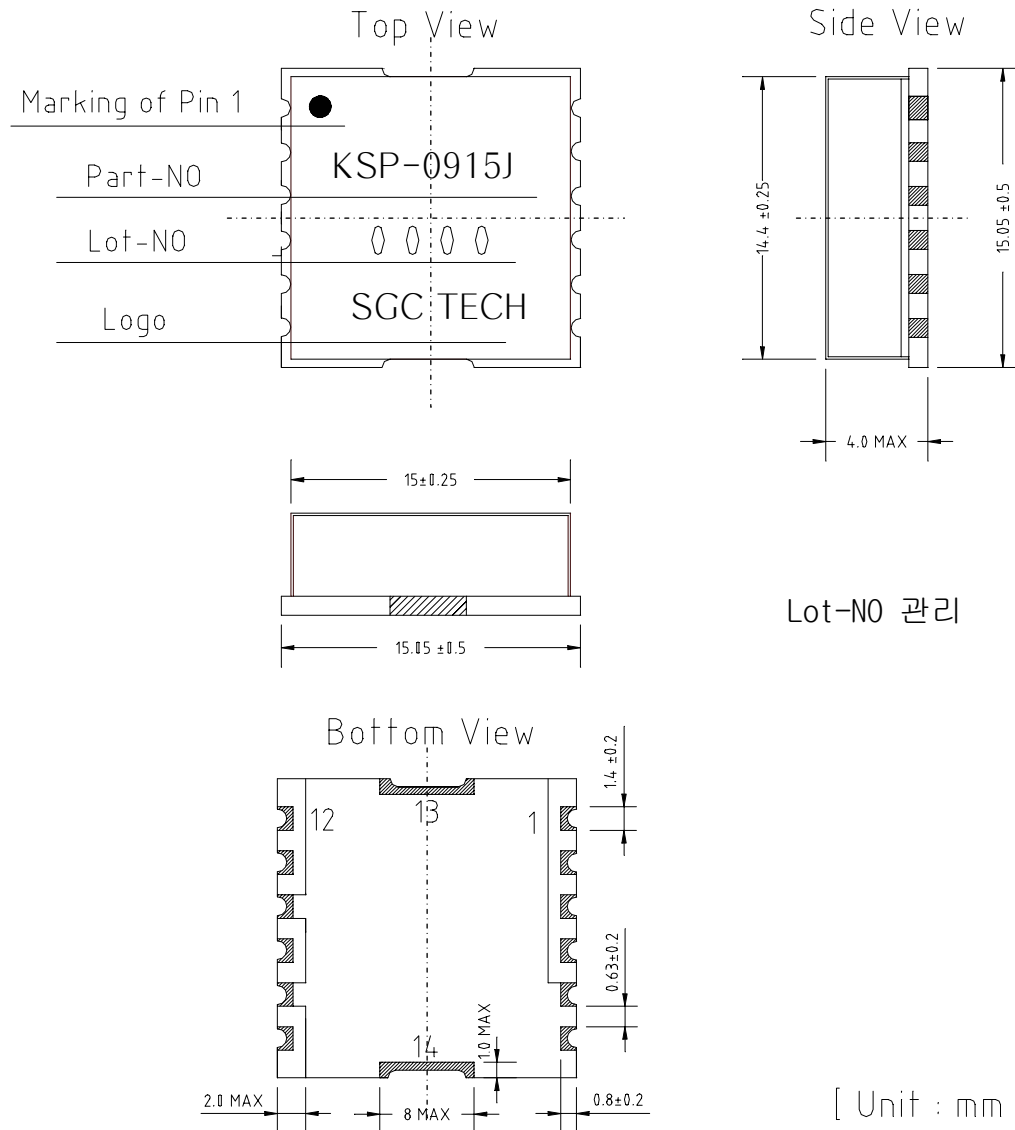


ACTIVE COMPONENT

- PLL MODULE

Mechanical Specifications (19.05 X 19.05 X 6.5t)



[Unit : mm]

Terminal Connection

Pin NO	Terminal NAME	Pin NO	Terminal NAME
1	Clock (CLK)	7	VCO Vcc(DC +3.3V) IN
2	Data	9	RF Out
3	Enable (LE)	11	Lock Detect (LD)
4	Osc. IN	12	PLL Vcc(DC +3.3V) IN

5, 6, 8, 10, 13, 14 : Ground Pins

ACTIVE COMPONENT

- PLL MODULE

Electrical Specifications

NO	ITEM	UNIT	MIN	TYP	MAX	
NO	ITEM	UNIT	MIN	TYP	MAX	NO
1	Operating Frequency Range	MHz	902.0	915.0	928.0	1
2	Output Power Level	dBm	+1.0	+3.0	+5.0	2
3	Harmonics Level (2'nd,3'rd ..)	dBc			-20	3
4	Spurious Level	dBc			-70	4
5	Phase Noise					5
	at offset @ 1kHz	dBc/Hz		-75		
	at offset @ 10kHz	dBc/Hz		-100		
	at offset @ 100kHz	dBc/Hz		-115		
6	Lock time	msec			30	6
7	Output Impedance	Ω		50		7
8	VCO Supply Voltage	V	+3.15	+3.30	+3.45	8
9	PLL Supply Voltage	V	+3.15	+3.30	+3.45	9
10	Channel Step	KHz		200		10
11	Reference Freq.	MHz		10		11
12	Reference Power Level	dBm	-4		+4	12