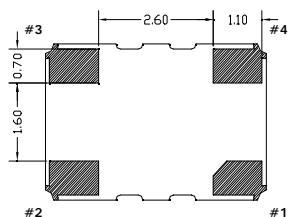
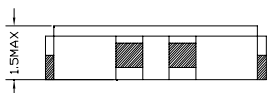
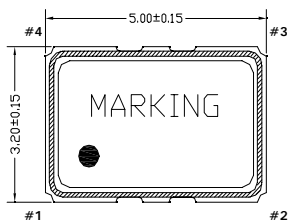


5.0 x 3.2mm^f SMD VCTCXO SPECIFICATIONS

■ ELECTRICAL SPECIFICATIONS

Parameters		Electrical Specifications			
		MIN	TYP	MAX	UNITS
Frequency(Fo) ref: 25℃		9.600		30.000	MHz
Frequency Stability	Vs. Temperature Range	±1.5, ±2.0, ±2.5			ppm
	Vs. Supply Voltage(±5%)			± 0.3	ppm
	Vs. Load(±5%)			± 0.2	ppm
	Vs. Aging(at 25℃)			± 1.0	ppm
Frequency Tolerance at 25℃				±1.0, ±1.5	ppm
Operating Temperature Range ¹⁾		-30		80	℃
Storage Temperature Range		-40		85	℃
Supply Voltage		2.4		3.6	VDC
Current Consumption				5.0(TTL) 2.0(C-sine)	mA
Output Voltage Level		Vdd 90%(TTL) 0.8(C-sine)			Vp-p
Output Waveform		Clipped Sinewave, TTL			
Output Load		10kΩ//10pF(C-sine), 1kΩ//15pF(TTL)			
Auto-Frequency-Control(AFC) Voltage		0.0		Vdd	V
Auto-Frequency-Control(AFC) Range		± 3.0		± 20.0	ppm
Dynamic Behavior1 (-20℃ TO 80℃)				± 0.30	ppm/℃
Dynamic Behavior2 (-30℃ TO -20℃)				± 1.0	ppm/℃
Start-up Time(90% of Vp-p)				3.0	mS
Duty Cycle		40		60	%
Harmonics				-9.0	dBc
Phase Noise	10Hz Carrier Offset		-86		dBc/Hz
	100Hz Carrier Offset		-115		dBc/Hz
	1KHz Carrier Offset		-138		dBc/Hz
	10KHz Carrier Offset		-146		dBc/Hz
Remark 1) Operating Temperature Range -40~85℃ available					

■ DIMENSION (UNIT : mm)



TERMINAL	PIN CONNECTION
#1	VCON OR OPEN
#2	GROUND
#3	OUTPUT
#4	VDD

MARKING

