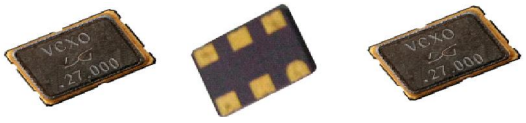
Shenzhen Dongguang Information Electronics Co.,Ltd.
深圳市东光信息技术发展有限公司

SMD5032 VCXO



■ FEATURES:

- Miniature Package
- Low cost and high stability
- Industry Standard
- TTL/HCMOS Output Compatible

■ SPECIFICATION:

Parameter	Min	Typical	Max	Unit
Package	SMD5032			
Frequency Range(F0)	1.50		54.00	MHz
Frequency Tolerance @25±3℃(△F/F0)	±20	F0	±50	PPM
Frequency Stability @T^{OPR}(△F/F0)	±20	F0	±50	PPM
Operating Temperature Range(T^{OPR})	-40		+85	℃
Storage Temperature Range(T^{STG})	-55		+125	℃
Operating Voltage(Vcc)	5.0±10% or 3.3±10%			V
Control Voltage Range(Vcontrol)	2.50±2.45 or 1.65±1.60			V
Pull ability@Control Voltage Range	±50		±150	PPM
Input Current On Load(Icc)			40(1.50 to 23.99MHz) 60(24.00 to 54.00MHz)	mA
Duty Cycle(η)	45	50	55	%
Rise Time (Tr)			10(1.50 to 23.99MHz) 8(24.00 to 54.00MHz)	ns
Fall Time (Tf)			10(1.50 to 23.99MHz) 8(24.00 to 54.00MHz)	ns
Output Load	15PFHCMOS Typ			
Output Low Voltage Level("0")			10%V^{CC}	V
Output High Voltage Level("1")	90%V^{CC}			V

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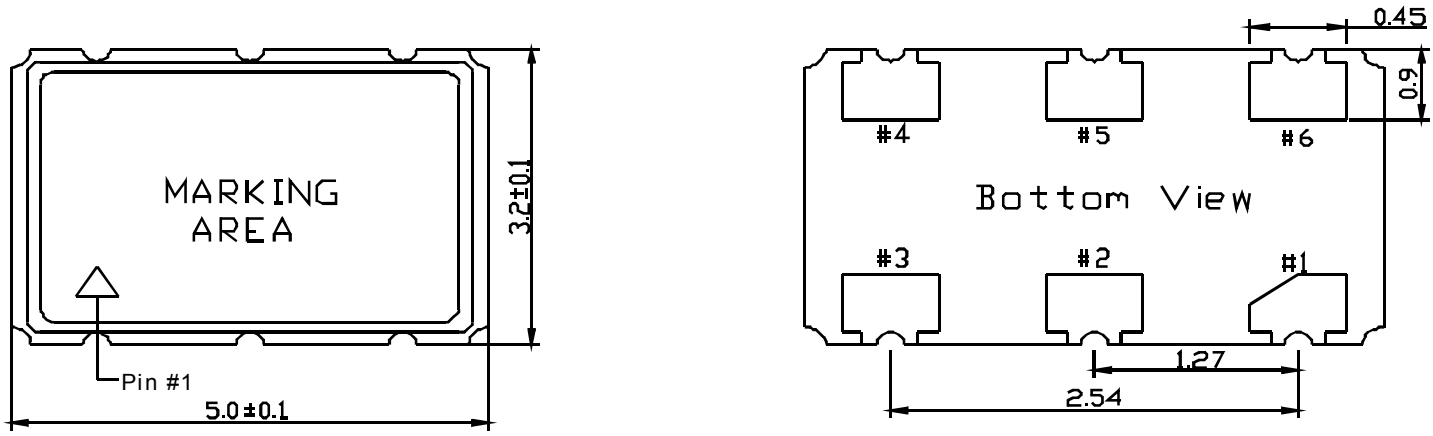
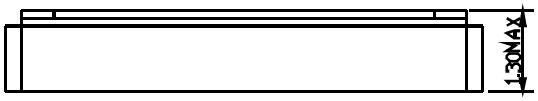
Tel: 0755-82981341
Fax: 0755-82981034

■ DIMENSIONS AND PIN FUNCTION:

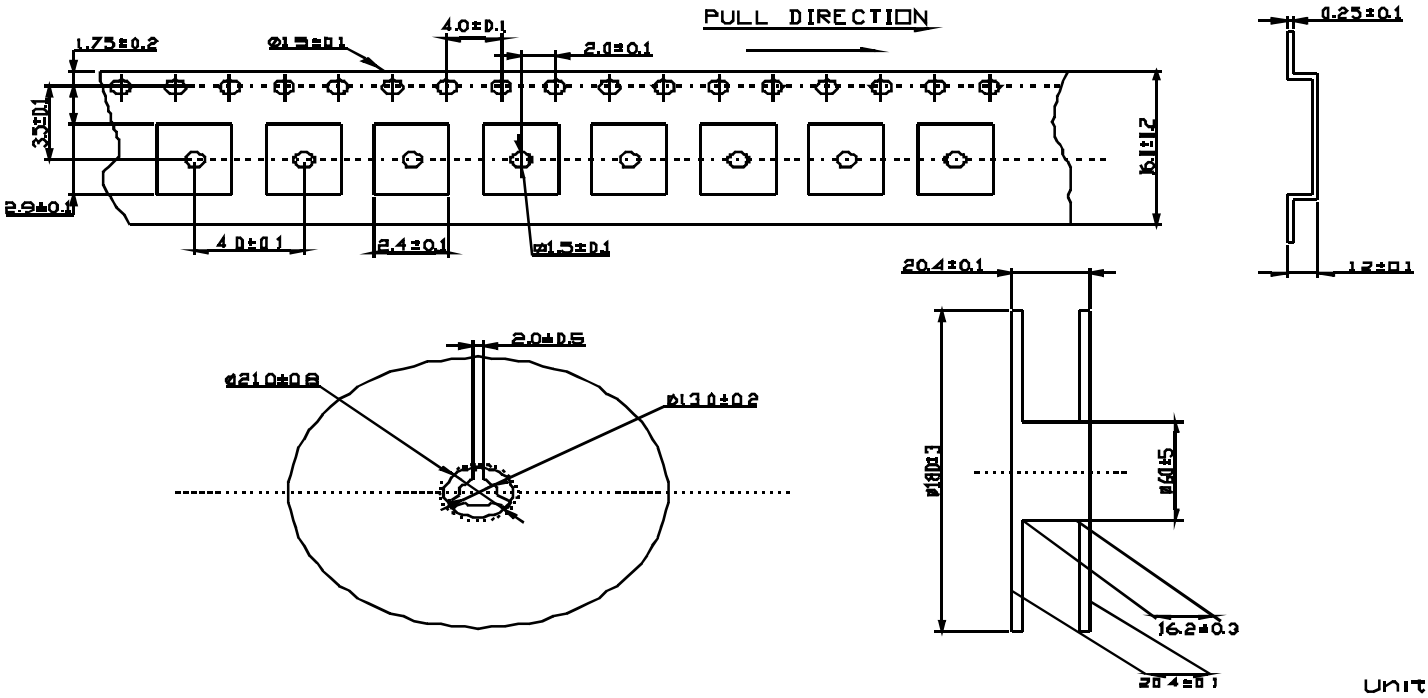




Package Drawing
Unit:mm

Pin#	Symbol	Function
1	Vtrol	Control Voltage
2	NC	This pin has no internal connection
3	GND	Ground
4	OUtput	Output Frequency
5	NC	This pin has no internal connection
6	Vcc	Supply Voltage

■ TAPING AND REEL:



Unit: mm

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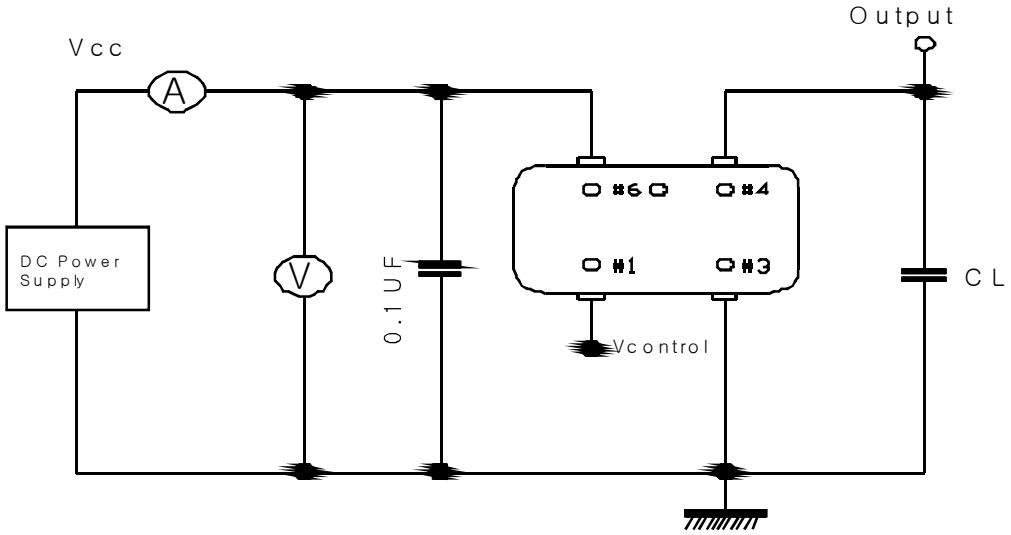
■ TEST CIRCUITS:



CL=15PF(including fixture and probe capacitance)

■ OUTPUT WAVEFORM:

Duty(η=)[TH/(TH+TL)]*100%