

TCXO/VCTCXO ULTRA MINIATURE SMD (5.0 x 3.2 x 1.6mm)
FEATURES:

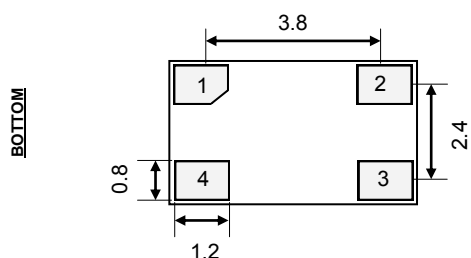
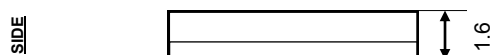
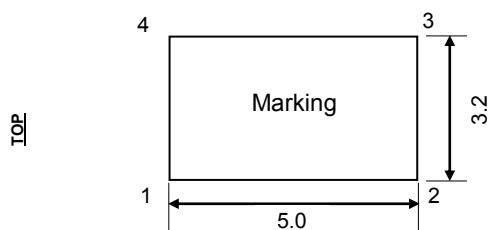
- EPOXY RESIN COVER
- GLASS EPOXY BASE
- SUITABLE FOR REFLOW


■ SPECIFICATION

PARAMETER			MIN.	TYP.	MAX.	UNIT	NOTE
FREQUENCY RANGE			13		52	MHz	
STANDARD FREQUENCIES			16.368M, 16.369M, 19.200M, 26.000M, 27.456M, 33.600M, 38.400M, 52.000M				
FREQUENCY TOLERANCE					±1.5	ppm	@ 25°C ± 2°C
FREQUENCY STABILITY	vs. TEMPERATURE RANGE		±0.5		±2.0	ppm	See P/N guide for other options
	vs. LOAD ± 5%				±0.2	ppm	
	vs. SUPPLY VOLTAGE ± 5%				±0.2	ppm	
	vs. AGING				±1.0	ppm/year	@ 25°C ± 3°C
OPERATING TEMPERATURE RANGE			-40*		+85	°C	See P/N guide for other options * Selected Frequency
STORAGE TEMPERATURE RANGE			-55		+125	°C	
SUPPLY VOLTAGE ±5%			1.8		3.3	V	See P/N guide for other options
SUPPLY CURRENT	CMOS	13 ~ 30M			4.0	mA	
		30 ~ 40M			5.0	mA	
		40 ~ 52M			6.0	mA	
	CSW				2.0	mA	
OUTPUT	LOGIC FAMILY		CMOS / Clipped Sine wave				
	LOAD	CMOS	15pF				
		CSW	10kΩ//10pF				
	LEVEL	CMOS (V _{OH})	0.9 x V _{DD}			V	
		CMOS (V _{OL})			0.1 x V _{DD}	V	
		CSW	0.8			V _{P-P}	
	SYMMETRY (DUTY CYCLE)		45		55	%	For CMOS
	RISE AND FALL TIME (Tr/Tf)				10	nS	For CMOS (10% ~ 90% of waveform)
	START-UP TIME				10	mS	
FREQUENCY DEVIATION		1.8V	±8.0		±13.0	ppm	See P/N guide for other options
		2.5V, 3.3V	±9.0		±15.0	ppm	
CONTROL VOLTAGE		1.8V	0.1		1.7	V	
		2.5V	0.25		2.25	V	
		3.3V	0.65		2.65	V	
SLOPE			Positive				
PHASE NOISE		1kHz		-133		dBc/Hz	@ 26MHZ

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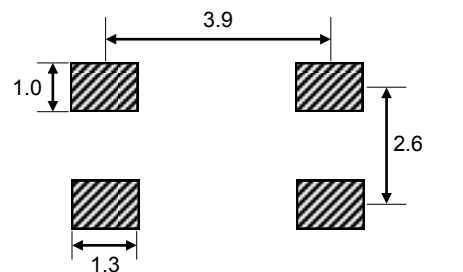
■ PACKAGE DIMENSIONS



Unit : mm

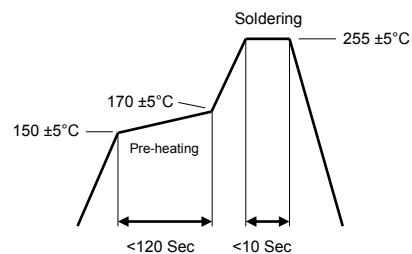
Pin Configuration	
1	N/C or Vc
2	GND
3	Output
4	V _{DD}

■ SOLDER PATTERN



Unit : mm

■ REFLOW PROFILE



Note: Consult factory for detail

■ PART NUMBERING GUIDE

