

CMOS MINIATURE SMD VCXO (2.5 x 2.0 x 1.1mm)

FEATURES:

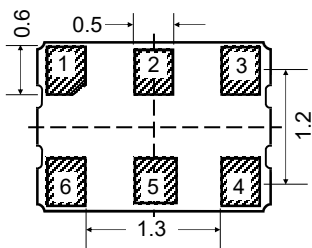
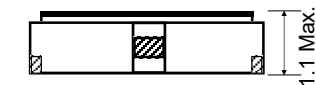
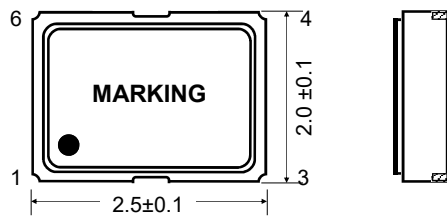
- WIDE FREQUENCY RANGE
- EXCELLENT HEAT RESISTANCE / HIGH STABILITY



■ SPECIFICATION

PARAMETER	MIN.	TYP.	MAX.	UNIT	NOTE	
FREQUENCY RANGE	1.25		62	MHz		
FREQUENCY STABILITY	±10*		±100	ppm	*Available in selected operation temp.	
OPERATING TEMPERATURE RANGE	-40		85	°C	See P/N guide for other options	
STORAGE TEMPERATURE RANGE	-55		125	°C		
SUPPLY VOLTAGE ±10%	2.97	3.3	3.63	V	See P/N guide for other options	
SUPPLY CURRENT			15	mA		
OUTPUT	LOGIC FAMILY	CMOS				
	LOAD	15pF				
	LEVEL LOGIC '1' (V _{OH})	0.9 x V _{DD}		V		
	LEVEL LOGIC '0' (V _{OL})		0.1 x V _{DD}	V		
	SYMMETRY (DUTY CYCLE)	40	50	60	%	See P/N guide for other options
	RISE AND FALL TIME (Tr/Tf)			6	nS	
START-UP TIME			5	mS		
FREQUENCY DEVIATION	±50			ppm	See P/N guide for other options	
CONTROL VOLTAGE	0	1/2 V _{DD}	V _{DD}	V		
SLOPE	Positive					
LINEARITY			±10	%		
MODULATION BANDWIDTH @-3dB	15			kHz		
INPUT IMPEDANCE	10			MΩ		
AGING @ 25°C ± 3°C			±3	ppm	Per year	
PHASE JITTER RMS			1.0	pS	@ 12kHz ~ 5MHz offset	

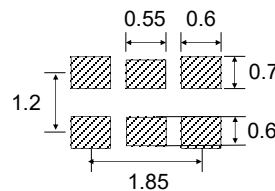
■ PACKAGE DIMENSIONS



1	VC.
2	En/Dis.
3	GND
4	Output
5	N/C
6	V _{DD}

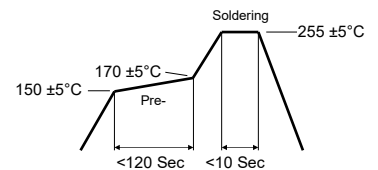
Unit : mm

■ SOLDER PATTERN



Unit : mm

■ REFLOW PROFILE



Note: Consult factory for detail

■ PART NUMBERING GUIDE

TVM26 - H 50 HM 33 S T C - 12.000M - TR

Product series

Output

H: HCMOS

Stability

00: ± 100ppm
50: ± 50ppm
25: ± 25ppm
15: ± 15ppm
10: ± 10ppm
XX: Two digit for Stability

Operating Temperature

A: -55 F: -20 M: 70 S: 100
B: -50 G: -10 N: 75 T: 105
C: -40 H: 0 P: 80 U: 125
D: -35 J: 50 Q: 85 X: custom
E: -30 K: 60 R: 90

Pullability

A: ±50ppm
B: ±75ppm
C: ±100ppm

Tape and Reel

TR: 3000/reel

Blank: Cut tape

Frequency

M: MHz

Tristate

T: En/Dis.

Symmetry

R: 40/60%

S: 45/55%

Supply Voltage

33: 3.3 Volt