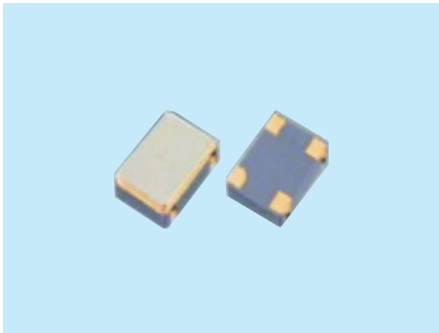




Products Information

TC53

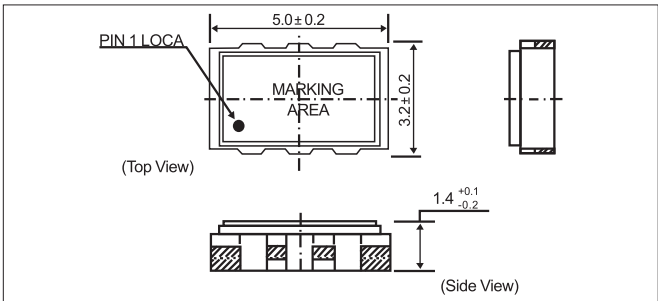


- DESCRIPTION:
- Stability up to $\pm 0.5 \times 10^{-6}$
 - Control Voltage Range $\pm 10 \times 10^{-6}$ Max
 - Clipped Sine Wave Output
 - Ultra-Miniature Package
 - Tape and Reel
 - Mobile Phone

PERFORMANCE CHARACTERISTICS

Parameter		Condrtion	TC20							
Frequency Range		F ₀	10.000MHz~26.000MHz							
Standard Nominal Frequency (MHz)			12.8	13	14.4	19.2	19.68	19.8	26	
Frequency Stability		All Condition	See Next Table							
Operating Temperature Range		T _{OPR}	See Next Table							
Supply Voltage		V _{DD}	B: +5.0VDC± 10%				A: +3.3VDC± 10%			
Supply Current		I _{DD}	10M≤F ₀ <15M							
			15M≤F ₀ <26M							
Output Load			H: Clipped Sine Wave							
Output Level			0.8V (peak to peak) Min.							
Load			10KΩ//10pF±10%							
Control Voltage Range			See Ordering Information							
Frequency Stability Vs	Supply Voltage change		±5%		±0.2×10 ⁻⁶					
	Load change		±10%		±0.2×10 ⁻⁶					
	Aging		±1×10 ⁻⁶ /year							
Vc Input Impedance			1.0MΩ							
Start-Up Time		T _s	2mS Max.							
Storage Temperature Range		T _{STG}	-55℃~-+125℃							

RECOMMENDED LAND PATTERN [mm]



DIMENSION [mm]

PAD NO.	CONNECTION
#1	VCON VCTCXO
#2	GND TCXO
#3	GND
#4	OUTPUT
#5	+DC

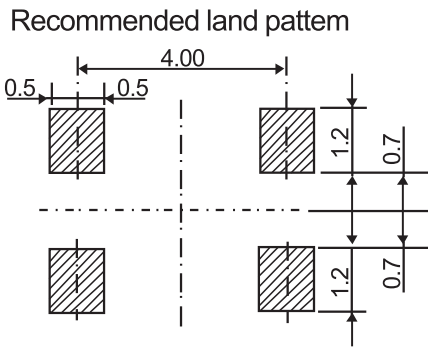
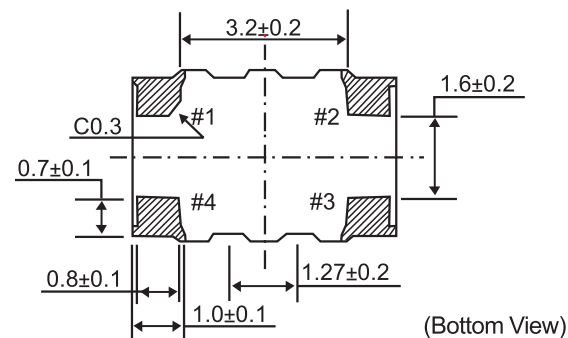


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Products Information

TC53



ORDERING INFORMATION

TC

53

N

B

A

I

H

26

MHz

Product Family
TC= TCXO
VT= VCTCXO

Package
53= 5.0×3.20×1.40mm

Control Voltage Range
N= No Voltage Control Function
A= $\pm 5 \times 10^{-6}$ 2.5V $\pm$ 2V
B= $\pm 5 \times 10^{-6}$ 1.65V $\pm$ 1.5V
C= $\pm 10 \times 10^{-6}$ 2.5V $\pm$ 2V
D= $\pm 10 \times 10^{-6}$ 1.65V $\pm$ 1.5V
Note: TCXO No Voltage Control Function

Supply Voltage
A= +3.3VDC
B= +5.0VDC

Frequency
10.0MHz~26.0MHz

Output Waveform
H= Clipped Sine Wave

Frequency Stability
H= $\pm 0.5 \times 10^{-6}$
I= $\pm 1.0 \times 10^{-6}$
J= $\pm 1.5 \times 10^{-6}$
K= $\pm 2.0 \times 10^{-6}$
L= $\pm 2.5 \times 10^{-6}$
N= $\pm 5.0 \times 10^{-6}$

Temperature
A= 0°C~+50°C
B= -10°C~+60°C
C= -20°C~+70°C
D= -30°C~+75°C
G= -40°C~+85°C

ORDERING EXAMPLE

TC53-NBAIH-26MHz
TCXO / No Voltage Control Function / +5.0VDC / 0°C~+50°C / $\pm 1.0 \times 10^{-6}$ / Cilpped Sine Wave / 26MHz

VT53-ABAIH-26MHz
VCTCXO / 5PPM 2.5V $\pm$ 2V / +5.0VDC / 0°C~+50°C / $\pm 1.0 \times 10^{-6}$ / Cilpped Sine Wave / 26MHz



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