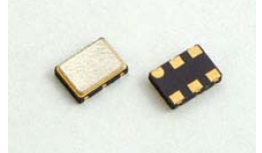


**FEATURES:**

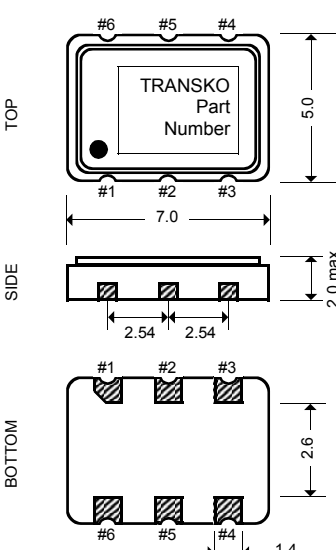
- HIGH FREQUENCY MINITURE CERAMIC SMD VCXO
- LVPECL / LVDS OUTPUT VCXO
- LOW NOISE / LOW CURRENT



SUPPLY VOLTAGE	2.5V	2.8V	3.3V
FREQUENCY RANGE	65.000MHz ~ 320.000MHz	65.000MHz ~ 320.000MHz	1.500MHz ~ 800.000MHz
STANDARD FREQUENCY	19.44, 44.736, 74.250, 74.1758, 76.800, 77.76, 106.25, 122.88, 155.52, 156.25, 153.60, 161.1328, 200.00, 312.50, 800.00		
FREQUENCY STABILITY*	± 10ppm ~ ± 100ppm		
OPERATING TEMPERATURE RANGE	Standard: 0°C to 70°C, Option: -40°C to 85°C		
FREQUENCY DEVIATION	± 50ppm min. Option: ± 70ppm min., ± 100ppm min.		
CONTROL VOLTAGE RANGE	1.25V ± 1.25V	1.40V ± 1.40V	1.65V ± 1.35V
SUPPLY CURRENT	LVPECL: 75mA max. / LVDS: 45mA max LVPECL: 100mA max. / LVDS: 80mA max		
1.000MHz ~ 65.000MHz			
65.000MHz ~ 320.000MHz			
OUTPUT LEVEL HIGH "1"	PECL: 1.475V min. / LVDS: 0.90V min.	1.775V min. / LVDS: 0.90V min.	2.275V min. / LVDS: 0.90V min.
OUTPUT LEVEL LOW "0"	1.095V max. / LVDS: 1.60V max.	1.395V max. / LVDS: 1.60V max.	1.680V max. / LVDS: 1.60V max.
RISE AND FALL TIME	1.0nS max.		
TRISTATE	2.0V min.	2.0V min.	2.275V min.
LINEARITY	10% max.		
MODULATION BANDWIDTH	25.0KHz min.		
INPUT IMPEDANCE	50KΩ		
PHASE JITTER	0.3pS ~ 3.0pS max. Typical ~0.5pS (Offset 12KHz ~ 20MHz)		

\* Include: 25°C tolerance, operating temperature range, input voltage change, aging, load change, shock and vibration.

### PACKAGE DIMENSIONS



TOP: 7.0 (width), 5.0 (height), pins #1-#6

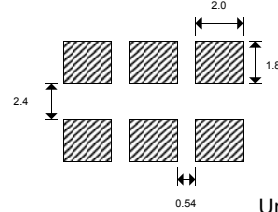
SIDE: 2.0 max (height), 2.54 (pin width)

BOTTOM: 2.6 (height), 1.4 (pin width), pins #1-#6

Pin Configuration	
1	Vcon
2	Tri-state
3	Ground
4	Output
5	C.output
6	VDD

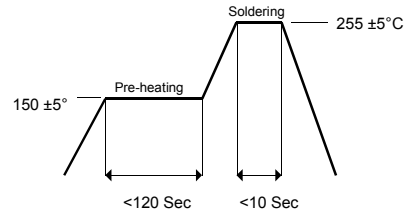
Unit : (mm)

### SOLDER PATTERN



Unit : (mm)

### REFLOW PROFILE



Note: Consult factory for detail

### PART NUMBERING GUIDE

<b>TVP</b>	<b>-</b>	<b>P</b>	<b>50</b>	<b>HM</b>	<b>33</b>	<b>T</b>	<b>C</b>	<b>-</b>	<b>74.250MHZ</b>	<b>-</b>	<b>TR</b>
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**Product series**

**Output**  
P: PECL  
L: LVDS

**Stability**  
00: ± 100ppm  
50: ± 50ppm  
25: ± 25ppm  
15: ± 15ppm  
10: ± 10ppm

**Operating Temperature**  
HM: 0°C to 70°C  
CQ: -40°C to 85°C  
AU: -55°C to 125°C  
Other options available

**Pull ability**  
A: ±50ppm  
B: ±75ppm  
C: ±100ppm  
D: ±125ppm  
E: ±150ppm  
F: ±200ppm

**Tape and Reel**  
TR: 1000/reel  
Blank: Cut tape

**Frequency**  
M: Mrtz

**Tristate**  
T: En/Disable pin# 2  
N: N/C

**Supply Voltage**  
18: 1.8 Volt  
25: 2.5 Volt  
33: 3.3 Volt  
50: 5.0 Volt

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