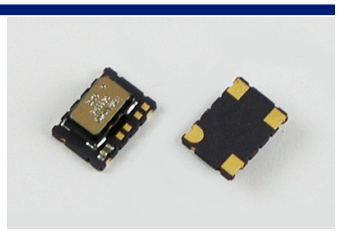
Transko

TX - R

FEATURES:

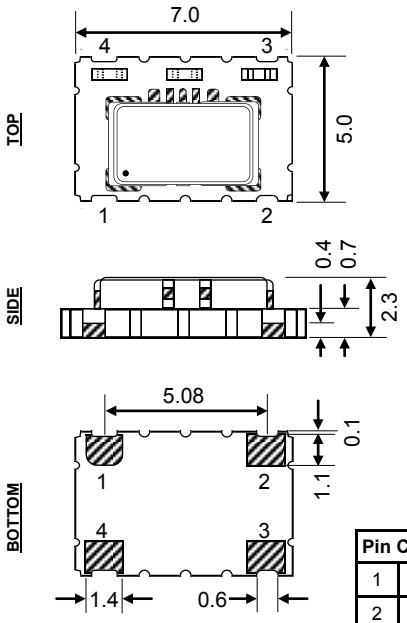
- **HIGH FREQUENCY UPTO 170.000MHz**
- **CMOS OUTPUT**
- **TIGHT STABILITY ±1.0ppm vs. –40°C TO 85°C**



Revision Date: 1/5/2010

SUPPLY VOLTAGE	2.8V	3.0 ~ 3.3V	5.0V
FREQUENCY RANGE	2.500000MHz ~ 170.000000MHz		
STANDARD FREQUENCIES	10.0, 12.8, 13.0, 14.4, 16.0, 16.384, 19.2, 19.440, 19.680, 20.0, 38.880, 77.760, 155.520 MHz		
FREQUENCY TOLERANCE	± 2.0ppm @ 25°C ± 2°C, Vcon = +1.5VDC		
OUTPUT WAVE FORM	CMOS Square wave		
FREQUENCY STABILITY	Refence from 25°C		
vs. OPERATING TEMPERATURE	± 0.5ppm ~ ±2.5ppm		
vs. SUPPLY VOLTAGE ± 5%	± 0.3ppm max.		
vs. LOAD ± 5%	± 0.3ppm max.		
vs. AGING	± 1.0ppm max. @ 25℃ ± 2°C		
vs. REFLOW	± 1.0ppm max. 1 reflow and measured 24 hours afterwards		
SUPPLY CURRENT	2mA ~ 16mA max	2 ~ 21mA max	5mA ~ 43mA max
OUTPUT VOLTAGE LEVEL LOGIC "1"	2.4V min.		
OUTPUT VOLTAGE LEVEL LOGIC "0"	0.4V max.		
RISE AND FALL TIME	10nS max 20% ~ 80% waveform		
DUTY CYCLE	50% ± 10% measured at 50% Vdd		
START UP TIME	10mS max.		
PHASE NOISE	Tested at 10MHz: 10Hz: -72dBc/Hz, 100Hz: -110dBc/Hz, 1KHz: -125dBc/Hz, 10KHz: -132dBc/Hz typical.		

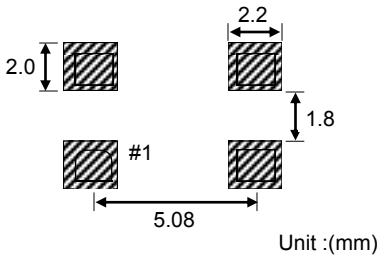
PACKAGE DIMENSIONS



Unit : mm

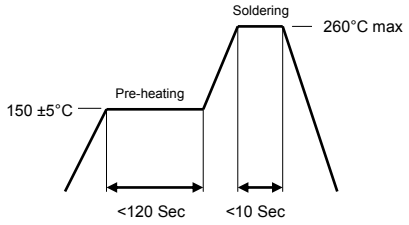
Pin Configuration	
1	N.C.
2	Ground
3	Output
4	Vcc

SOLDER PATTERN



Unit :(mm)

REFLOW PROFILE



Note: Consult factory for detail

PART NUMBERING GUIDE

TX 3 – R 25 J R – 27.000M – TR

- **Product series**
- **Supply Voltage**
  - **Blank :** 5V
  - **1 :** 2.5V
  - **2 :** 2.8V
  - **3 :** 3.3V
- **Package Code**
- **Stability**
  - **10:** ± 1.0ppm
  - **15:** ± 1.5ppm
  - **20:** ± 2.0ppm
  - **25:** ± 2.5ppm
  - **30:** ± 3.0ppm
  - **50:** ± 5.0ppm
- **Operating Temperature**
  - **H:** 0° to 50°C
  - **I:** -10° to 60°C
  - **J:** -10° to 70°C
  - **K:** -20° to 70°C
  - **L:** -30° to 70°C
  - **M:** -40° to 85°C
- **Output**
  - **R:** CMOS
- **Frequency**
  - **M:** MHz
- **Tape and Reel**
  - **TR:** 1000/reel
  - **Blank:** Cut tape

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