



**THE DATASHEET OF  
TB-133.330MBD-T**



# SMD Oscillators CMOS Output 5.0 x 3.2 x 0.75 mm TB Series

Oscillators  
 Series

## Features

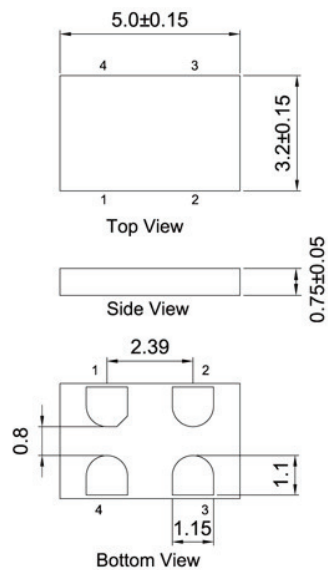
- Molded in plastic package
- Silicon-based MEMS oscillator
- Frequency range 1~150MHz
- High stability, low power consumption
- RoHS Compliant / Pb Free
- Main application : DSC, NB Computers, Computer Peripherals



## Electrical Specifications

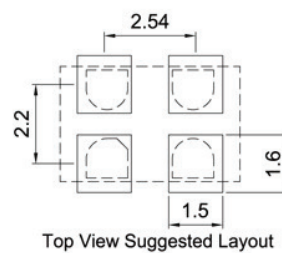
Item / Type	TB
Output Frequency Range	1~ 150MHz
Output Type	CMOS
Supply Voltage	1.8V, 2.5V, 3.3V
Frequency Stability	±25ppm
Operating Temperature Range	-40 ~ +85°C
Output Load	15pF Max.
Supply Current	25.0 mA Max.(1.0~ 60.0 MHz Vdd=3.3V)
	30.0 mA Max. (60.0~ 133.33 MHz Vdd=3.3V)
Voltage Vol ( Max. ) / Voh ( Min. )	0.1 VDD / 0.9 VDD
Symmetry	45%~55% (1.0~ 100.0 MHz)
	40%~60% (100 ~ 200.0 MHz)
Rise / Fall Time	3 ns. Max.
Start-up Time	10msec Max.
Storage Temperature Range	-55 ~ +125°C

## Dimensions



### PAD FUNCTION:

- 1: OE /  $\overline{ST}$
- 2: GND
- 3: OUT
- 4: VDD



Units: mm

Remark : Specification subject to change without prior notice. Please confirm with our sales.

## Looking for pricing, stock, or lifecycle information?

Click below to explore more details on WIN SOURCE:

 [View TB-133.330MBD-T on WIN SOURCE](#)

 [TXC CORPORATION](#) Information

## Optimize Your Supply Chain with WIN SOURCE Solutions

-  Global Sourcing Solution
-  Obsolete Management
-  Cost Control Management
-  Shortage Management
-  Alternative Solution
-  Excess Inventory Management