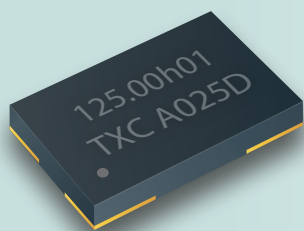


SMD Oscillators

CMOS Output

5.0 x 3.2 x 0.75 mm TB Series



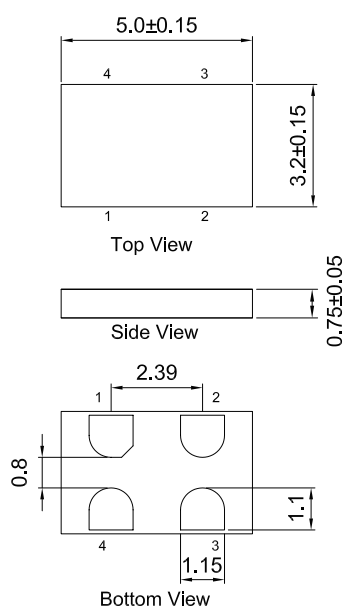
Features

- Molded in plastic package.
- Silicon-based MEMS oscillator.
- Frequency range 1~150MHz.
- High stability, low power consumption.
- RoHS Compliant / Pb Free.
- Main application: GPON, EPON, Tablet PC, SSD, SAS, SATA, DVR, DSC.

Electrical Specifications

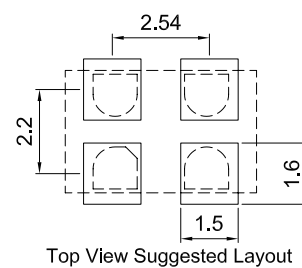
Item / Type	TB
Output Frequency Range	1~ 150MHz
Output Type	CMOS
Supply Voltage	1.8V, 2.5V, 2.8V, 3.3V
Frequency Stability	±20ppm / ±25ppm / ±50ppm
Operating Temperature Range	-20 ~ +70°C / -40 ~ +85°C
Output Load	15pF Max.
Supply Current	15.0 mA Max. (1.0~ 60.0 MHz Vdd=3.3V) 20.0 mA Max. (60.0~ 150 MHz Vdd=3.3V)
Voltage Vol (Max.) / Voh (Min.)	0.1 VDD / 0.9 VDD
Symmetry	45%~55% (1 ~ 75 MHz) 40%~60% (75 ~ 150 MHz)
Rise / Fall Time	5 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