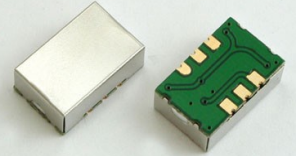


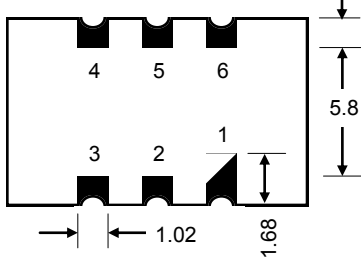
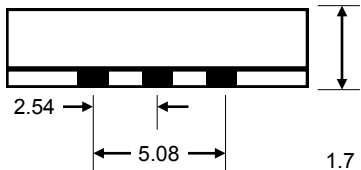
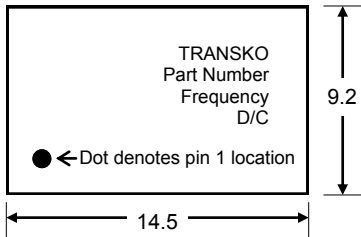
**FR-4 SMD LVDS OUTPUT OSCILLATOR (14.5 x 9.2 x 5.5mm)**
**FEATURES:**

- HIGH FREQUENCY
- ULTRA LOW PHASE JITTER PERFORMANCE
- ENABLE / DISABLE

RoHS  
Compliant

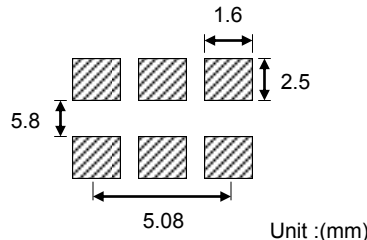


MODEL	TLS	
SUPPLY VOLTAGE	2.5V	3.3V
FREQUENCY RANGE	12.000MHz ~ 312.500MHz	12.000MHz ~ 800.000MHz
FREQUENCY STABILITY*	±15ppm ~ ±100ppm	
OPERATING TEMPERATURE	0°C to 70°C, Option: -40°C to 85°C	
STORAGE TEMPERATURE	-55°C to 125°C	
INPUT CURRENT	75mA max.	
DUTY CYCLE	50% ±5% (50% of waveform)	
RISE TIME / FALL TIME	250pS typical, 600pS max.	
LOGIC "1" LEVEL (VoH)	Vcc - 1.925V min.	
LOGIC "0" LEVEL (VoL)	Vcc - 2.175V max.	
OUTPUT PEAK TO PEAK SWING	250mV min. 350mV typical, 460mV max.	
OUTPUT OFFSET (RL = 100Ω)	1.125V min., 1.25V typical, 1.375V max.	
LVDS OUTPUT LOAD	100 Ω	
AGING @ 25°C	± 3.0ppm max.	
PHASE JITTER (12KHz ~ 20MHz offset)	12.000MHz ~ 200.000MHz: 1.0pS max. 201.000MHz ~ 800.000MHz: 3.0pS max.	
TRISTATE OPTION	T1: Pin#1 En/Dis Pin#2: N/C, T2: Pin#1 N/C Pin# 2: En/Dis	

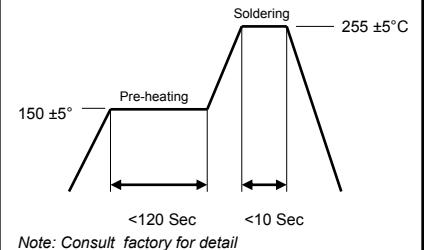
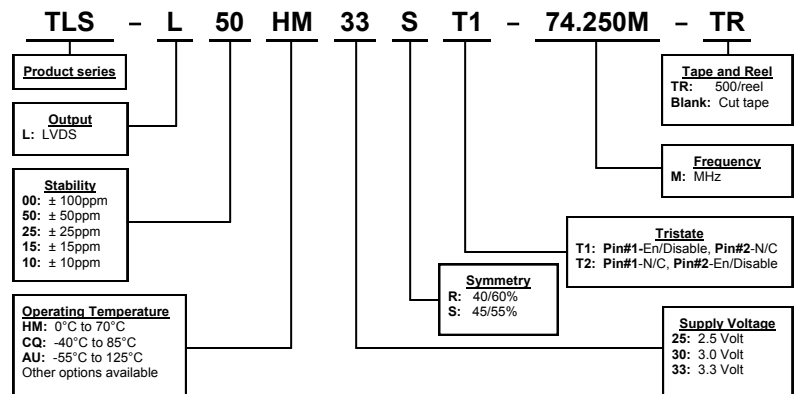
**PACKAGE DIMENSIONS**


Unit : mm

Pin Configuration	
1	N.C. or En/Dis
2	N.C. or En/Dis
3	GND
4	Output
5	C - output
6	VDD

**SOLDER PATTERN**


Unit : (mm)

**REFLOW PROFILE**

**PART NUMBERING GUIDE**


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