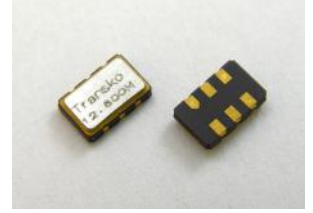
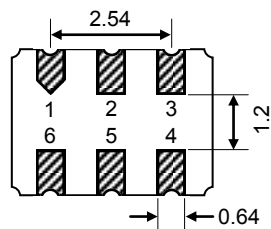
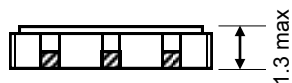
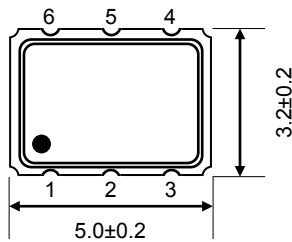


LVDS MINIATURE SMD OSCILLATOR (5.0 x 3.2 x 1.3mm)
FEATURES:

- WIDE FREQUENCY RANGE
- LOW JITTER
- EN/DISABLE PIN AVAILABLE

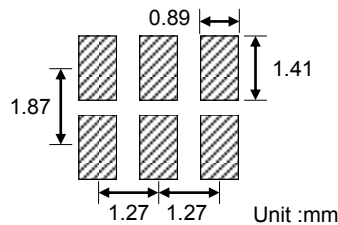


MODEL		TLSM5	
FREQUENCY RANGE		12.000MHz ~ 800.000MHz	
SUPPLY VOLTAGE		2.5V ± 5%	3.3V ± 5%
CURRENT CONSUMPTION		60mA max.	80mA max.
TEMPERATURE RANGE	OPERATING	0°C to 70°C STD, -40°C ~ +85°C available (See Part Numbering Guide)	
	STORAGE	-55°C ~ +125°C	
FREQUENCY STABILITY		±50ppm STD, ±10ppm ~ ±100ppm max. (See Part Numbering Guide)	
OUTPUT LOAD CONDITION		100Ω OUT-OUTN	
SYMMETRY (DUTY)		40/60% STD, 45/55% Available (See Part Numbering Guide)	
OUTPUT RISE AND FALL TIME (TR/TF)		300pS typical, 600pS max. (20% ~ 80%)	
OUTPUT LOGIC '1' LEVEL (Voh)		1.4V Typical, 1.6V max.	
OUTPUT LOGIC '0' LEVEL (Vol)		1.1V Typical, 0.9V min.	
DIFFERENTIAL OUTPUT VOLTAGE		0.247V ~ 0.454V, 0.350V typical	
OFFSET VOLTAGE		1.125V ~ 1.375V, 1.25V typical	
PIN1 TRI-STATE		No Connection (Output enable) 70% V _{DD} min (Output enable) 30% V _{DD} max (Output disable)	
OSCILLATION START UP TIME		5mS typical, 10mS max.	
AGING		±3ppm max.	
PHASE JITTER (12KHz ~ 20MHz)		1.0pS RMS max (Fundamental), 3.0pS RMS max. (Multi-rate)	

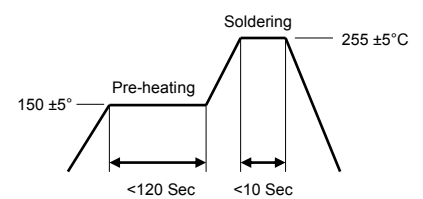
PACKAGE DIMENSIONS


Unit : mm

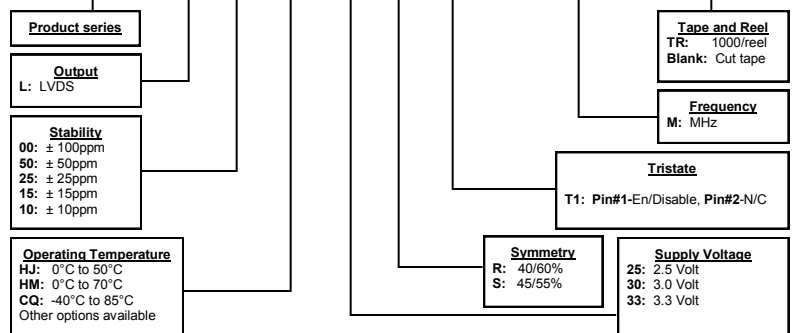
Pin Configuration	
1	En/dis or N.C.
2	N.C.
3	GND
4	Output 1
5	Output 2
6	V _{DD}

SOLDER PATTERN


Unit : mm

REFLOW PROFILE


Note: Consult factory for details

PART NUMBERING GUIDE
TLSM5 - L 50 HM 33 S T1 - 148.500M - TR


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