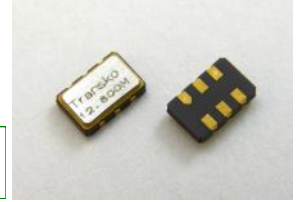


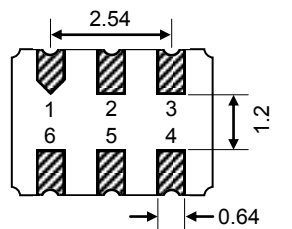
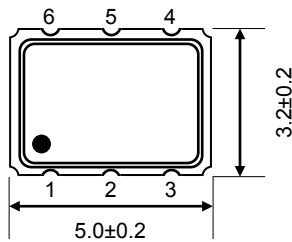
LVDS MINIATURE SMD VCXO (5.0 x 3.2 x 1.3mm)
FEATURES:

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

RoHS
Compliant

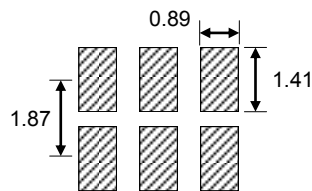


MODEL		TVL5	
FREQUENCY RANGE		1.000MHz ~ 80.000MHz	0.75MHz ~ 800.000MHz
SUPPLY VOLTAGE		2.5V or 3.3V	3.3V
PIN1 CONTRAOL VOLTAGE		1.25V±1.05V (1.25V)	1.65V±1.35V (1.65V)
FREQUENCY DEVIATION		±50ppm min. STD, ±75ppm ~ ± 150ppm min. (See Part Numbering Guide)	
LINEARITY		10% max.	
SLOPE		Positive	
CURRENT CONSUMPTION		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	
SYMMETRY (DUTY)		45% ~ 55%	
OUTPUT RISE AND FALL TIME (TR/TF)		1.0ns max (20% ~ 80% Output Level)	
OE HIGH/ OE LOW		0.7 V _{DD} min. / 0.3 V _{DD} max.	
OUTPUT '1' LEVEL (Voh)		1.4V Typical, 1.6V max.	
OUTPUT '0' LEVEL (Vol)		1.1V Typical, 0.9V min.	
PIN2 INPUT VOLTAGE		No Connection (Default) 70% V _{DD} min. (Output enable) 30% V _{DD} max. (Output disable)	
OUTPUT DIFFERENTIAL VOLTAGE		0.247V ~ 0.454V	
OFFSET VOLTAGE		1.125V ~ 1.375V	
OSCILLATION START UP TIME		5ms max.	
AGING		±3ppm max.	
PHASE JITTER (12KHZ ~ 20MHZ)		1.0pS max.	4.0pS max.

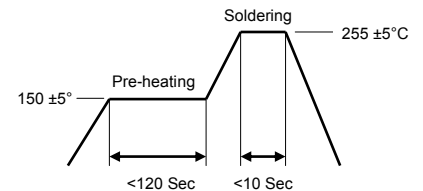
PACKAGE DIMENSIONS


Unit : mm

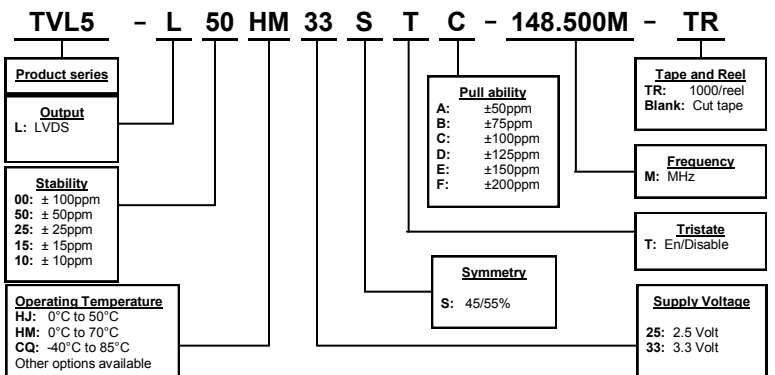
Pin Configuration	
1	V _c
2	En/Disable
3	GND
4	Output
5	C-Output
6	V _{DD}

SOLDER PATTERN


Unit : mm

REFLOW PROFILE


Note: Consult factory for details

PART NUMBERING GUIDE


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