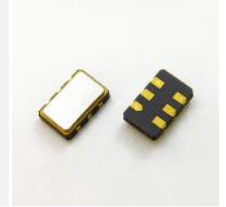


LVDS MINIATURE SMD VCXO (5.0 x 3.2 x 1.3mm)
FEATURES:

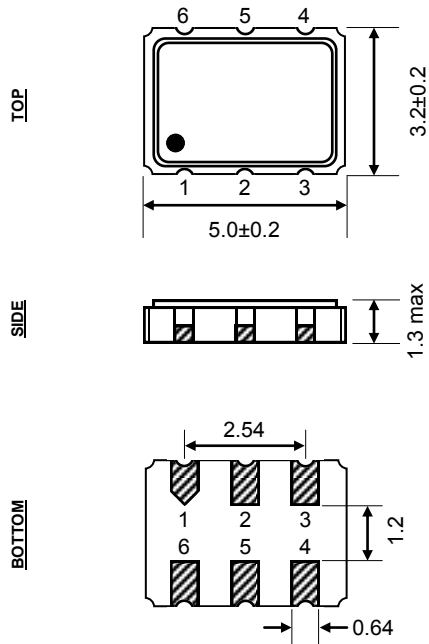
- WIDE FREQUENCY RANGE
- LOW JITTER
- EN/DISABLE AVAILABLE


■ SPECIFICATION

PARAMETER		MIN.	TYP.	MAX.	UNIT	NOTE
FREQUENCY RANGE	Fundamental	1		80	MHz	Contact for other frequency
	PLL (3.3V)	0.75		800	MHz	
FREQUENCY STABILITY		±10*	±50	±100	ppm	*Available in selected operation temp.
OPERATING TEMPERATURE RANGE		-40		85	°C	See P/N guide for other options
STORAGE TEMPERATURE RANGE		-55		125	°C	
SUPPLY VOLTAGE ±10%		2.5		3.3	V	See P/N guide for other options
SUPPLY CURRENT				80	mA	
OUTPUT	LOGIC FAMILY	LVDS				
	LOAD	100			Ω	Output - Complementary Output
	LEVEL LOGIC '1' (V _{OH})		1.4	1.6	V	
	LEVEL LOGIC '0' (V _{OL})	0.9	1.1		V	
	DIFFERENTIAL VOLTAGE	0.247		0.454	V	
	OFFSET VOLTAGE	1.125		1.375	V	
	SYMMETRY (DUTY CYCLE)	45	50	55	%	
	RISE AND FALL TIME (Tr/Tf)		0.3	1.0	nS	@ 20% ~ 80% Output level
	START-UP TIME			5	mS	
STAND-BY VOLTAGE	ENABLE (V _{IH})	0.7 x V _{DD}			V	Default: No connection
	DISABLE (V _{IL})			0.3 x V _{DD}	V	
FREQUENCY DEVIATION		±50			ppm	See P/N guide for other options
CONTROL VOLTAGE	2.5V or 3.3V	0.2		2.3	V	
	3.3V	0.3		3.0	V	
SLOPE		Positive				
LINEARITY				10	%	
MODULATION BANDWIDTH		25			kHz	
INPUT IMPEDANCE			50		kΩ	
AGING				±3	ppm	@ 25°C + 3°C
PHASE JITTER RMS	Fundamental		0.5	1.0	pS	@ 12kHz ~ 20MHz offset
	PLL (3.3V)			4.0	pS	

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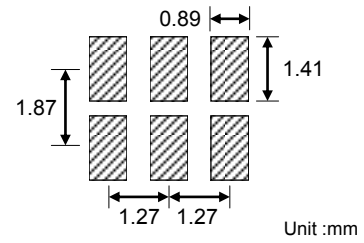
■ PACKAGE DIMENSIONS



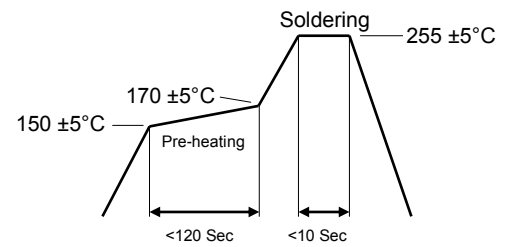
Unit:mm

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

■ SOLDER PATTERN

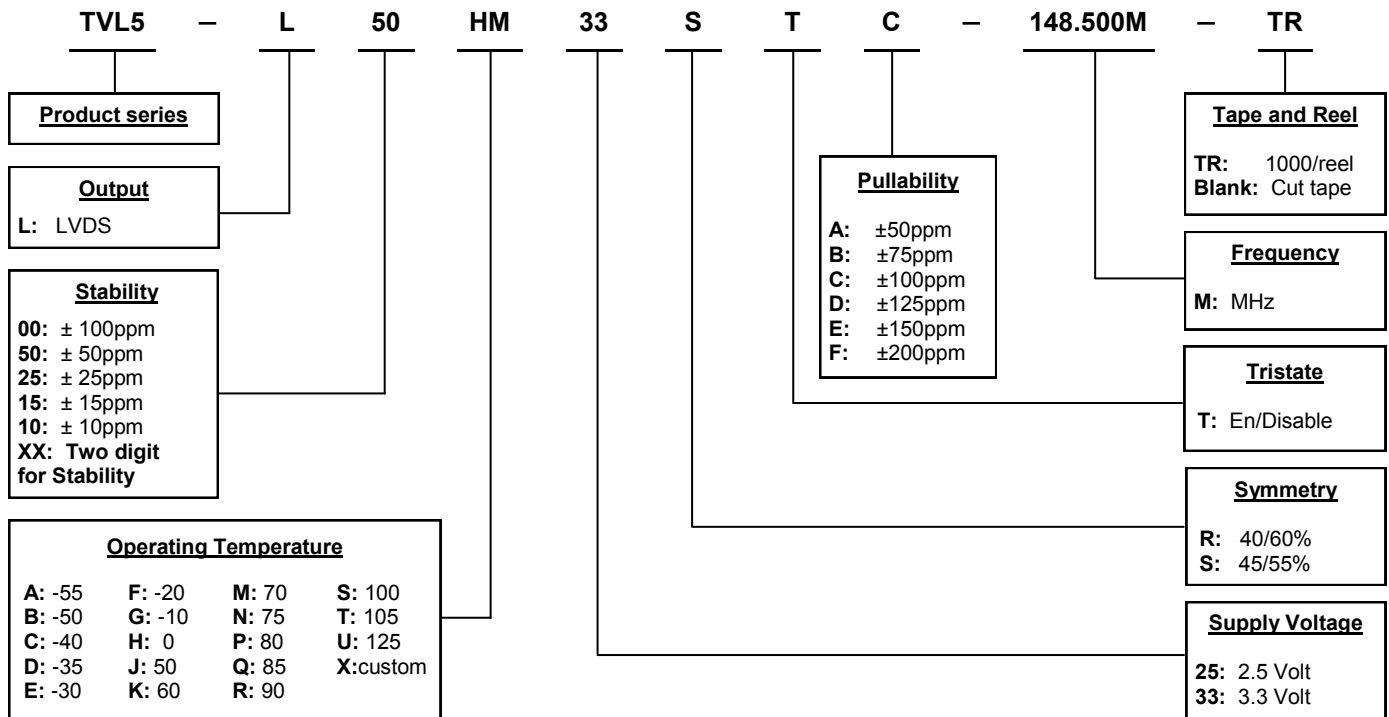


■ REFLOW PROFILE



Note: Consult factory for detail

■ PART NUMBERING GUIDE



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