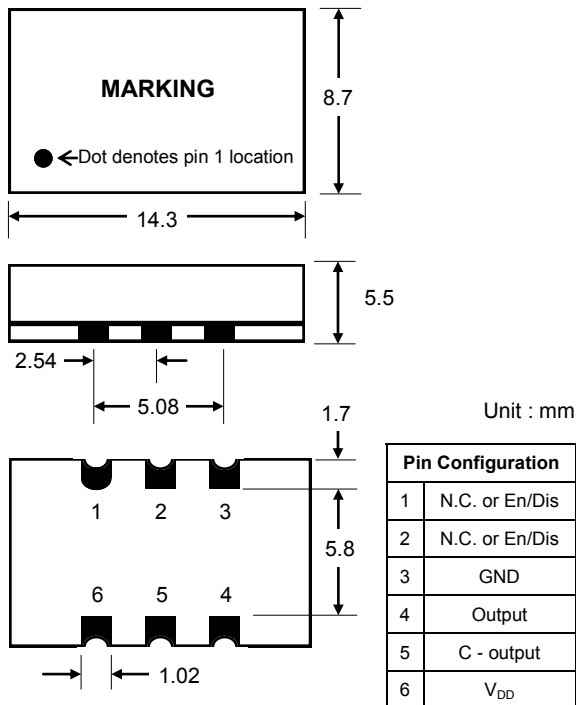
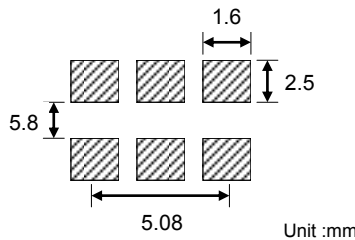
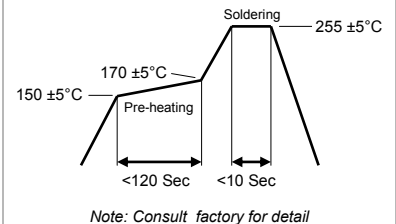
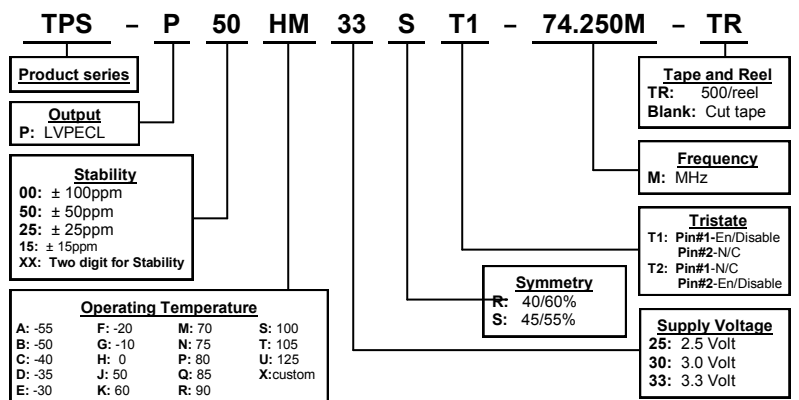


FR-4 SMD LVPECL OUTPUT OSCILLATOR (14.3 x 8.7 x 5.5mm)
FEATURES:

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


■ SPECIFICATION

FREQUENCY RANGE	2.5V: 12.000MHz ~ 312.500MHz 3.3V: 12.000MHz ~ 800.000MHz	
FREQUENCY STABILITY	±15ppm ~ ±100ppm	
OPERATING TEMPERATURE RANGE	STD: 0°C ~ 70°C, Option: -40°C ~ 85°C (See P/N guide for other options)	
STORAGE TEMPERATURE RANGE	-55°C ~ 125°C	
SUPPLY VOLTAGE ± 10%	2.5V _{DC} ~ 3.3V _{DC}	
SUPPLY CURRENT	75mA max.	
OUTPUT	LOGIC FAMILY	LVPECL
	LOAD	50Ω (into V _{DD} - 2.0V _{DC})
	LEVEL LOGIC '1' (V_{OH})	V _{DD} - 1.025V _{DC} min.
	LEVEL LOGIC '0' (V_{OL})	V _{DD} - 1.620V _{DC} max.
	PEAK TO PEAK	600mV min. 800mV typ.
	SYMMETRY(DUTY CYCLE)	STD: 40% / 60% , Option: 45% / 55%
	RISE AND FALL TIME (Tr/Tf)	250pS typ. 1.0nS max.
	START UP TIME	10mS max.
STAND-BY VOLTAGE	ENABLE (V_{IH})	0.7 x V _{DD} ≤ V _{IH} ≤ V _{DD} or N/C
	DISABLE (V_{IL})	V _{IL} ≤ 0.3 x V _{DD}
AGING @ +25°C ±3°C		±3.0ppm / 1 st year max.
PHASE JITTER (12kHz ~ 20MHz)		1.0pS max.

■ PACKAGE DIMENSIONS

■ SOLDER PATTERN

■ REFLOW PROFILE

■ PART NUMBERING GUIDE


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