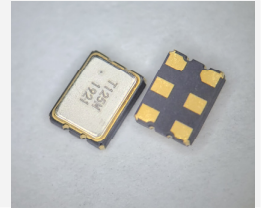


ULTRA MINIATURE SMD LVDS OUTPUT OSCILLATOR (2.5 x 2.0 x 1.1mm)

FEATURES:

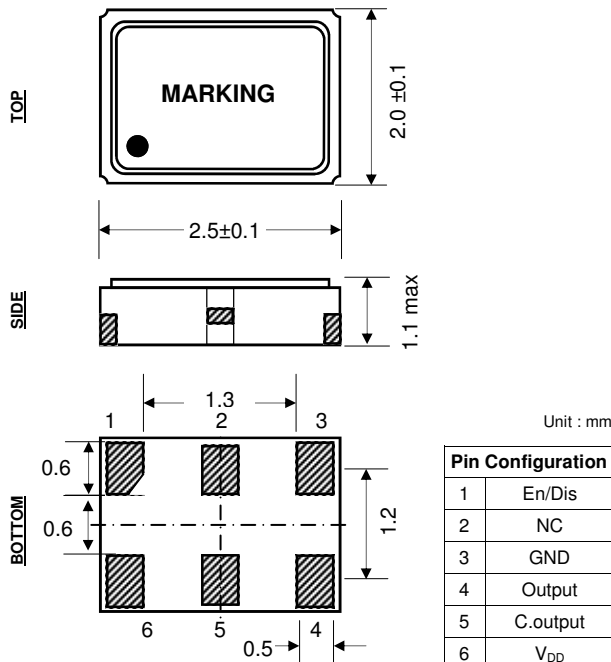
- LVDS MINIATURE SMD
- ULTRA LOW PHASE JITTER PERFORMANCE
- EN/DISABLE PIN AVAILABLE



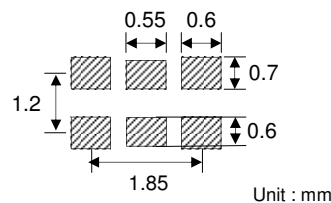
■ SPECIFICATION

FREQUENCY RANGE	13.500MHz ~ 156.25MHz	
FREQUENCY STABILITY	±20ppm ~ ±100ppm	
OPERATING TEMPERATURE RANGE	STD: -20°C ~ 70°C, Option: -40°C ~ 85°C (See P/N guide for other options)	
STORAGE TEMPERATURE RANGE	-55°C ~ 125°C	
SUPPLY VOLTAGE ± 5%	1.8V _{DC} , 2.5V _{DC} , 3.3V _{DC}	
SUPPLY CURRENT	40mA max.	
OUTPUT	LOGIC FAMILY	LVDS
	LOAD	100Ω (Output - Complementary Output)
	LEVEL LOGIC '1' (V_{OH})	1.4V _{DC} typ. 1.6V _{DC} max.
	LEVEL LOGIC '0' (V_{OL})	1.1V _{DC} typ. 0.9V _{DC} min.
	DIFFERENTIAL OUTPUT VOLT-OFFSET VOLTAGE	0.25V ~ 0.450V, 0.350V typ.
	SYMMETRY(DUTY CYCLE)	STD: 40% / 60%, Option: 45% / 55%
	RISE AND FALL TIME (Tr/Tf)	0.2nS typ. 0.8nS max.
	START-UP TIME	5mS typ. 10mS max.
STAND-BY	0.7 x V _{DD} ≤ V _{IH} ≤ V _{DD} or N/C	
STAND-BY	V _{IL} ≤ 0.3 x V _{DD}	
STAND-BY CURRENT (Pin#1=V_{IL})	10μA max.	
ENABLE DELAY TIME	10mS max.	
DISABLE DELAY TIME	200nS max.	
AGING @ +25°C ±3°C	±3.0ppm / 1 st year max.	
PHASE JITTER RMS (12kHz to 20MHz)	1.0pS max.	

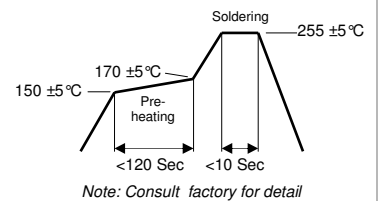
■ PACKAGE DIMENSIONS



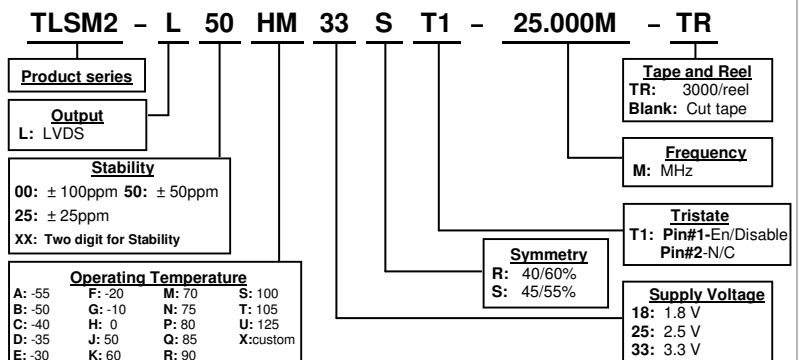
■ SOLDER PATTERN



■ REFLOW PROFILE



■ PART NUMBERING GUIDE



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