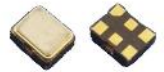


ULTRA MINIATURE SMD LVDS OUTPUT OSCILLATOR (2.0 x 1.6 x 0.9mm)

FEATURES:

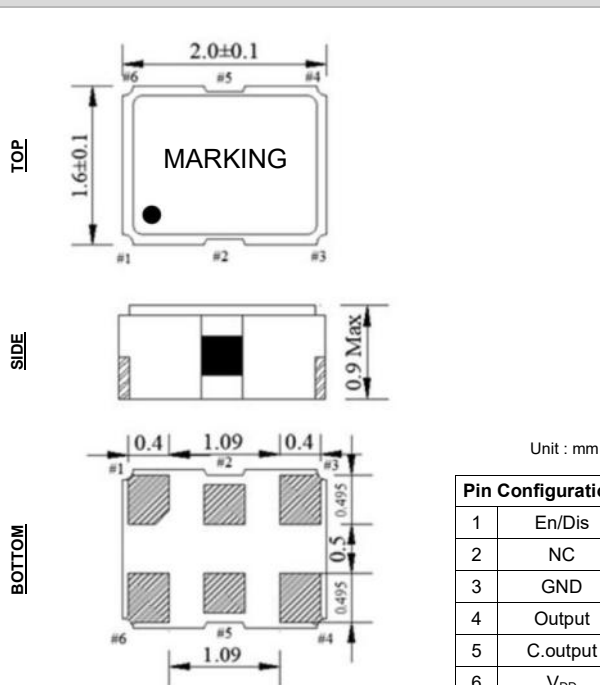
- LVDS MINIATURE SMD
- ULTRA LOW PHASE JITTER PERFORMANCE
- EN/DISABLE PIN AVAILABLE



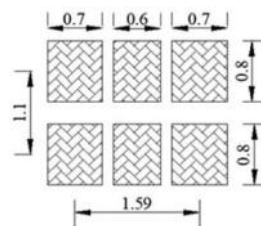
SPECIFICATION

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 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 VOLTAGE	0.25V ~ 0.450V, 0.350V typ.
	OFFSET VOLTAGE	1.125V ~ 1.375V, 1.25V typ.
	SYMMETRY(DUTY CYCLE)	STD: 40% / 60%, Option: 45% / 55%
	RISE AND FALL TIME (Tr/Tf)	1nS max. (20%~80% output swing level)
	START-UP TIME	5mS typ. 10mS max.
STAND-BY VOLTAGE	ENABLE (VIH)	0.7 x V _{DD} ≤ V _{IH} ≤ V _{DD} or N/C
	DISABLE (VIL)	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.

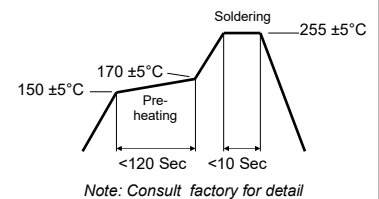
PACKAGE DIMENSIONS



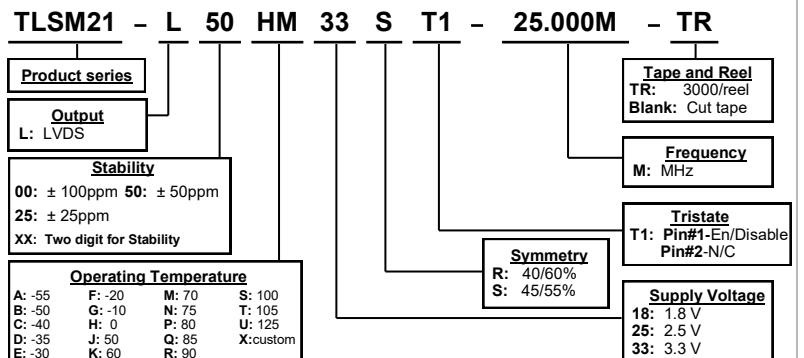
SOLDER PATTERN



REFLOW PROFILE



PART NUMBERING GUIDE



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