

CERAMIC LVDS MINIATURE SMD OSCILLATOR (3.2 x 2.5 x 1.2mm)

FEATURES:

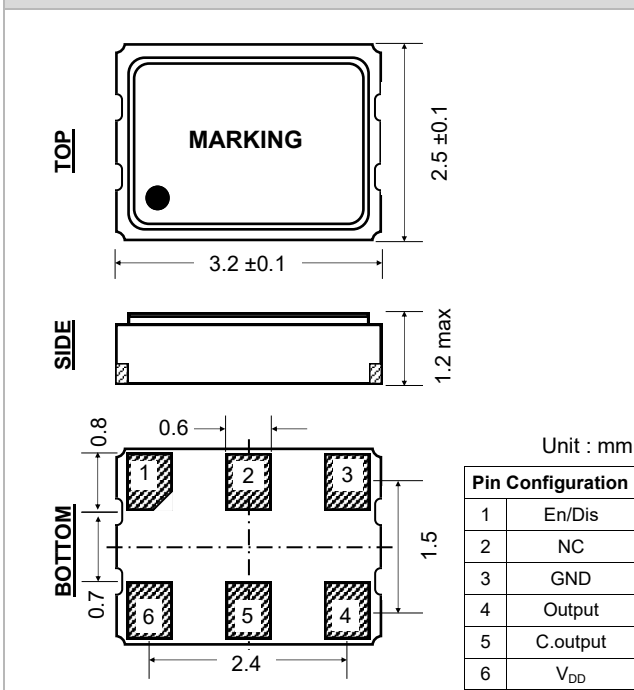
- LVDS MINIATURE SMD
- ULTRA LOW PHASE JITTER PERFORMANCE
- EN/DISABLE PIN AVAILABLE



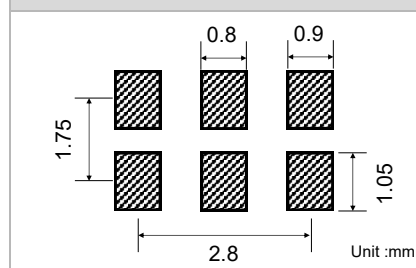
■ SPECIFICATION

FREQUENCY RANGE	13.500MHz ~ 200.000MHz	
FREQUENCY STABILITY	±25ppm ~ ±100ppm (See P/N guide for other options)	
OPERATING TEMPERATURE RANGE	-40°C ~ 85°C (See P/N guide for other options)	
STORAGE TEMPERATURE RANGE	-55°C ~ 125°C	
SUPPLY VOLTAGE ± 5%	1.8V _{DC} ~ 3.3V _{DC}	
SUPPLY CURRENT	16mA typ. 45mA 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)	0.2nS typ. 0.8nS max.
START-UP TIME	5mS typ. 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}
STAND-BY CURRENT (Pin#1=V_{IL})	10μA max.	
ENABLE DELAY TIME	2mS 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.	

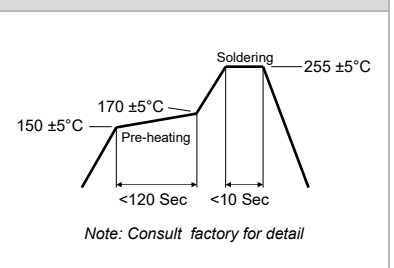
■ PACKAGE DIMENSIONS



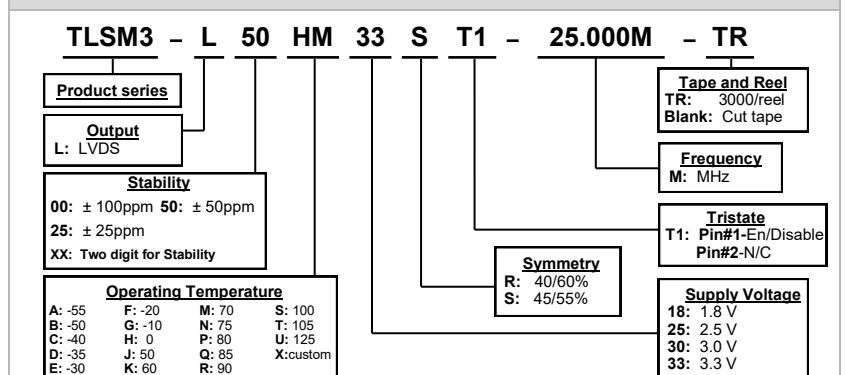
■ SOLDER PATTERN



■ REFLOW PROFILE



■ PART NUMBERING GUIDE



Transko Electronics, Inc reserves the right to make changes to the product (s), service (s), and specification (s) described herein without notice. See "Terms of Sale" for details on our website.