

MINIATURE SMD REAL TIME CLOCK (2.0 x 1.6 x 0.8mm)

FEATURES:

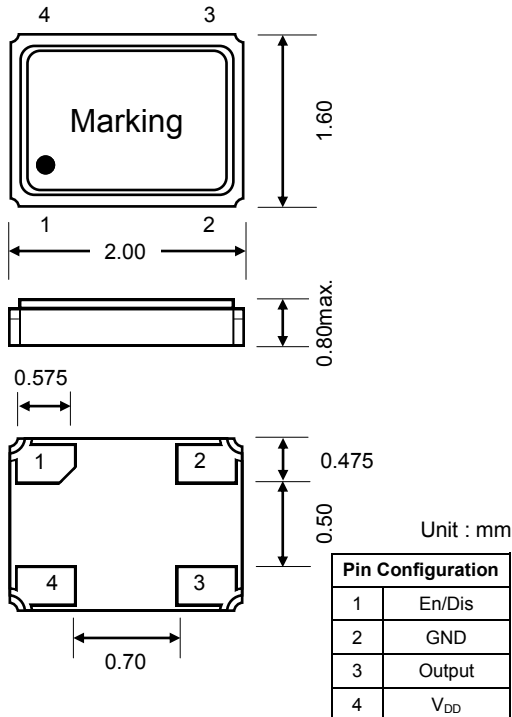
- CMOS OUTPUT @ 32.768kHz
- LOW VOLTAGE
- LOW CURRENT



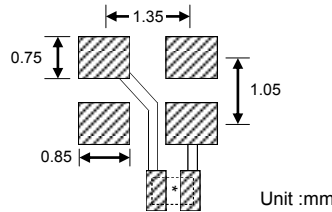
■ SPECIFICATION

FREQUENCY		32.768kHz
FREQUENCY STABILITY		±20ppm ~ ±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%		1.8V _{DC} ~ 5.0V _{DC}
SUPPLY CURRENT		240µA max.
OUTPUT	LOGIC FAMILY	CMOS
	LOAD	15pF
	LEVEL LOGIC '1' (V_{OH})	0.9 x V _{DD} min.
	LEVEL LOGIC '0' (V_{OL})	0.1 x V _{DD} max.
	SYMMETRY(DUTY CYCLE)	45% / 55% @ 1/2V _{DD} level
	RISE AND FALL TIME (Tr/Tf)	200nS Max.
STAND-BY VOLTAGE	START-UP TIME	10mS Max.
	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 RMS (12kHz ~ 20MHz)		1pS max.

■ PACKAGE DIMENSIONS

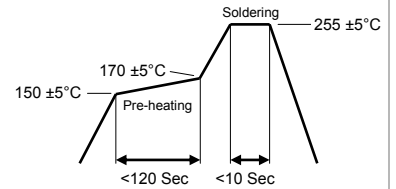


■ SOLDER PATTERN

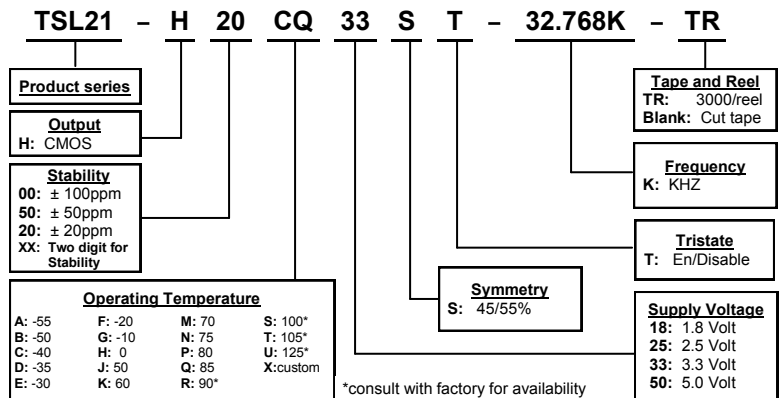


*0.01µF to 0.1µF bypass capacitor recommended

■ 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.