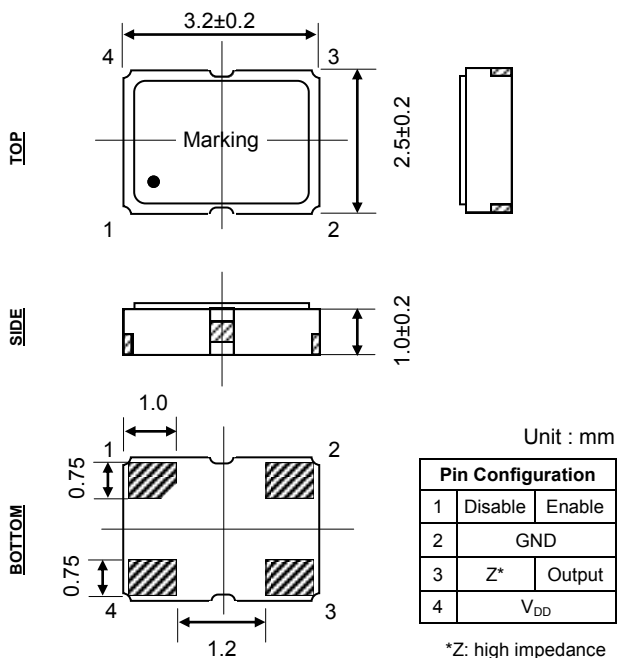
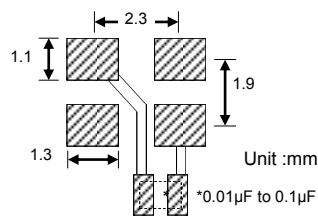
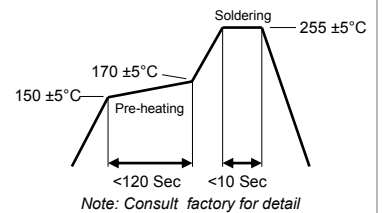
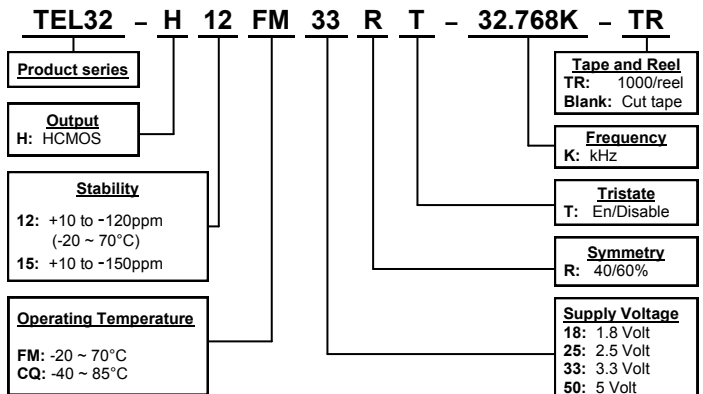


MINIATURE SMD OSCILLATOR (3.2 x 2.5 x 1.0mm)
FEATURES:

- CMOS OUTPUT @ 32.768kHz
- LOW POWER CONSUMPTION
- TUNING FORK CRYSTAL BUILT IN


■ SPECIFICATION

PARAMETER		MIN.	TYP.	MAX.	UNIT	NOTE
FREQUENCY			32.768		kHz	
FREQUENCY TOLERANCE @ 25°C		-10		+30	ppm	
FREQUENCY STABILITY	vs. TEMPERATURE RANGE	-150		+10	ppm	See P/N guide for other options
	vs. SUPPLY VOLTAGE ± 5%			±0.5	ppm	
OPERATING TEMPERATURE RANGE		-40		85	°C	See P/N guide for other options
STORAGE TEMPERATURE RANGE		-55		125	°C	
SUPPLY VOLTAGE ±10%		1.8		5	V	See P/N guide for other options
SUPPLY CURRENT			1	1.5	µA	@ V _{DD} =3.3V, no load(Pin#1=V _{IH})
STAND-BY CURRENT				250	nA	No load
OUTPUT	LOGIC FAMILY	HCMOS				
	LOAD			15	pF	
	LEVEL LOGIC '1' (V _{OH})	0.9 x V _{DD}			V	
	LEVEL LOGIC '0' (V _{OL})			0.1 x V _{DD}	V	
	SYMMETRY(DUTY CYCLE)	40		60	%	
	RISE AND FALL TIME (Tr/Tf)			200	nS	@ CL=15pF, 25°C
	START-UP TIME			1	sec	@ V _{DD} =3.3V
STAND-BY VOLTAGE	ENABLE (V _{IH})	0.9 x V _{DD}			V	@ V _{DD} =3.3V, 25°C
	DISABLE (V _{IL})			0.1 x V _{DD}	V	See P/N guide for other options
ENABLE DELAY TIME				1	sec	
DISABLE DELAY TIME				100	nS	
AGING @ +25°C ±3°C				±5.0	ppm/yr	@1 st year

■ PACKAGE DIMENSIONS

■ SOLDER PATTERN

■ REFLOW PROFILE

■ PART NUMBERING GUIDE


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