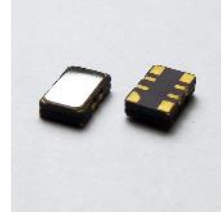


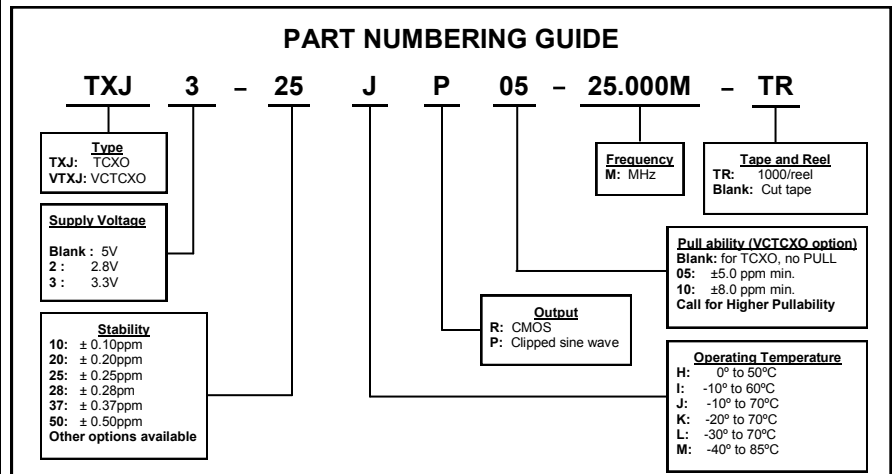
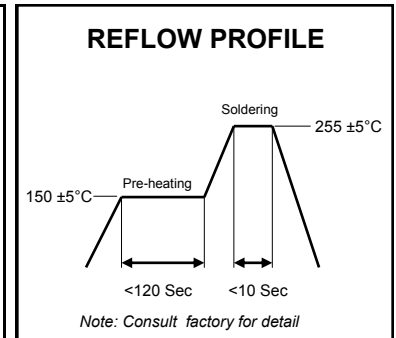
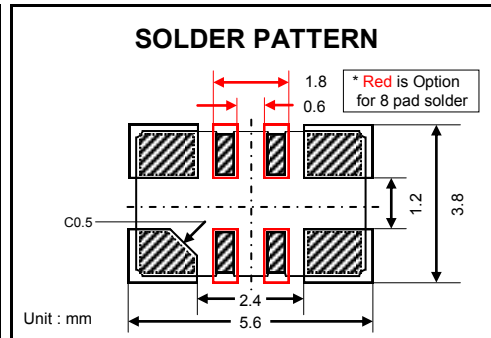
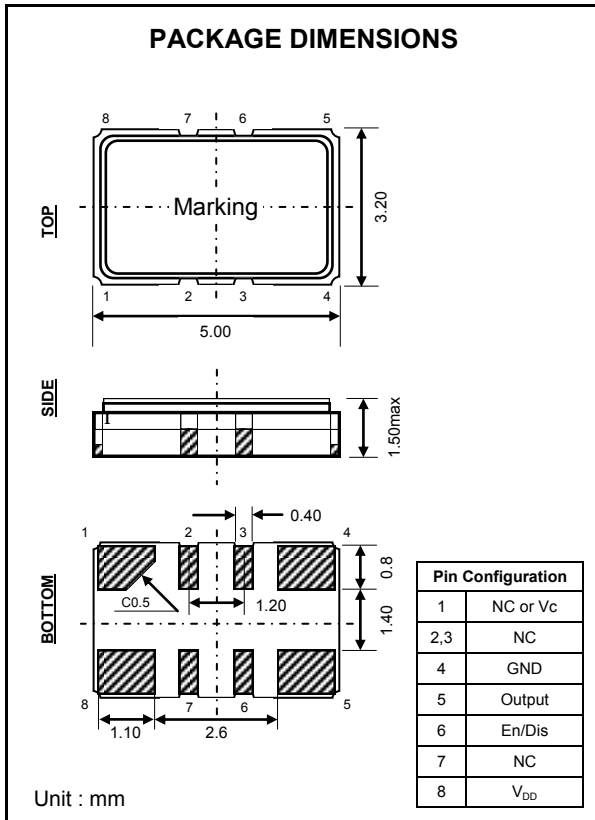
## TCXO/VCTCXO ULTRA MINIATURE SMD (5.0 x 3.2 x 1.5mm)

### FEATURES:

- HIGH STABILITY ACCURACY UP TO  $\pm 0.1$ ppm
- 3.3V or 5.0V AVAILABLE
- SUITABLE FOR FEMTOCELL APPLICATION



MODEL		TXJ	
FREQUENCY RANGE		10.000000MHz ~ 52.000000MHz	
SUPPLY VOLTAGE $\pm 5\%$		2.7V to 5.5V	
FREQUENCY TOLERANCE		$\pm 1.5$ ppm max. (after reflow @ $25^{\circ}\text{C} \pm 2^{\circ}\text{C}$ )	
OPERATING TEMPERATURE		$-10^{\circ}\text{C}$ to $70^{\circ}\text{C}$ standard	
INPUT CURRENT		6.0mA max @ $V_{cc}=3.3\text{V}$	2.4mA max. @ $V_{cc}=3.3\text{V}$
FREQUENCY STABILITY	vs. OPERATING TEMPERATURE	$\pm 0.1$ ppm max. @ $-10^{\circ}\text{C}$ to $70^{\circ}\text{C}$ , $\pm 0.2$ ppm max. @ $-40^{\circ}\text{C}$ to $85^{\circ}\text{C}$	
	vs. SUPPLY VOLTAGE $\pm 5\%$	$\pm 0.3$ ppm max.	
	vs. OUTPUT LOAD $\pm 5\%$	$\pm 0.3$ ppm max.	
	vs. AGING	$\pm 0.5$ ppm max. / year @ $25^{\circ}\text{C} \pm 3^{\circ}\text{C}$	
OUTPUT	TYPE	CMOS	Clipped sine wave
	LEVEL	90% min. / 10%max.	0.8Vp-p min.
	SYMMETRY	50% $\pm 5\%$	-
	RISE/FALL TIME	5 nS typ, 10 nS max.	-
	LOAD	15pF	10Kohm//10pF load
CONTROL VOLTAGE (VTX option only)		$1.5\text{V} \pm 1.0\text{V}$	
FREQUENCY SLOPE (VTX option only)		Positive	
VOLTAGE COEFFICIENT		$\pm 0.05$ ppm max. @ $V_{cc} \pm 5\%$	
LOAD COEFFICIENT		$\pm 0.05$ ppm max. @ Load $\pm 5\%$	



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