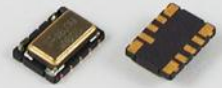


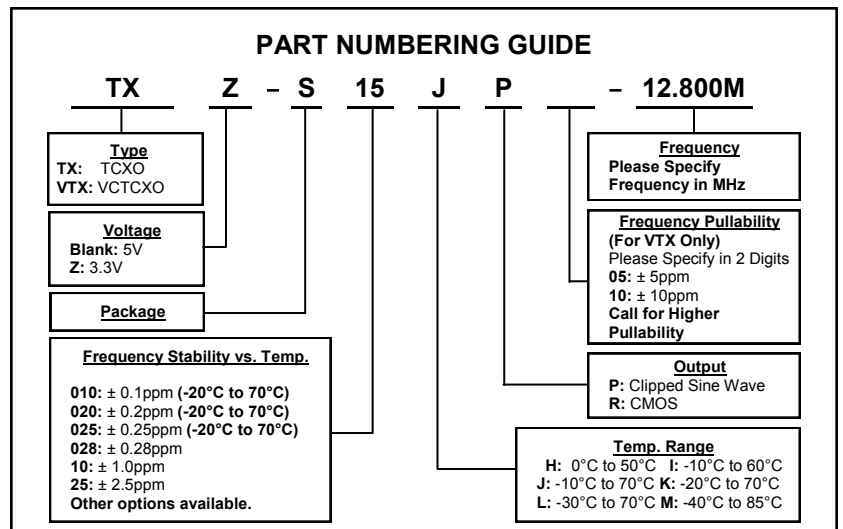
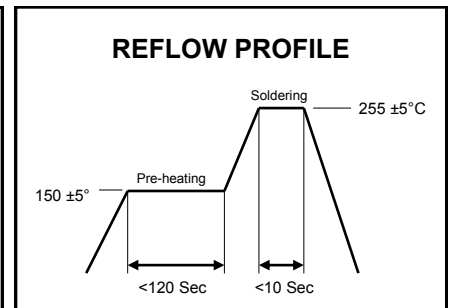
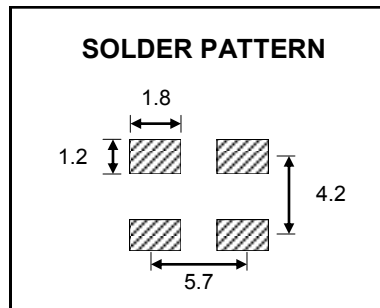
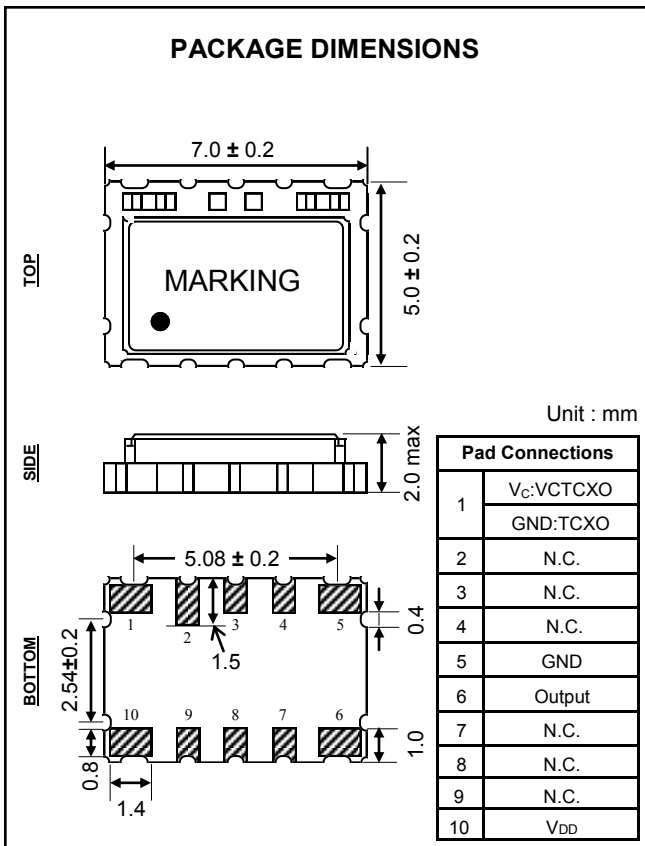
TCXO/VCTCXO MINIATURE CERAMIC SMD (5.0 x 7.0 x 2.0mm)

FEATURES:

- WIDE FREQUENCY RANGES
- TIGHT STABILITY AVAILABLE UP TO $\pm 0.1\text{ppm}$
- SUITABLE FOR REFLOW



MODEL		TX-S	
FREQUENCY RANGE		5.000MHz to 40.000MHz	
STANDARD FREQUENCIES		5M, 6.4M, 8.192M, 10M, 12.5M, 12.8M, 16M, 16.384M, 19.44M, 25M	8.192M, 10M, 12.5M, 12.8M, 16M, 16.384M, 19.44M, 25M
FREQUENCY TOLERANCE		$\pm 2.0\text{ppm max.}$	
FREQUENCY STABILITY		Available from: $\pm 0.1\text{ppm}$ to $\pm 5.0\text{ppm}$	
FREQUENCY STABILITY	Vs. SUPPLY VOLTAGE ($\pm 5\%$)	$\pm 0.3\text{ppm max.}$	
	Vs. LOAD ($\pm 10\%$)	$\pm 0.2\text{ppm max.}$	
	Vs. AGING (AT 1st YEAR)	$\pm 1.0\text{ppm max.}$	
POWER SUPPLY	VOLTAGE	$+5.0V_{DC} \pm 5\%$, or $+3.3V_{DC} \pm 5\%$	
	CURRENT	6.0mA max.	3.5mA max.
OUTPUT	TYPE	CMOS	Clipped sinewave
	LEVEL	90% min. / 10% max.	0.8Vp-p min.
	SYMMETRY	50% $\pm 5\%$	-
	RISE/FALL TIME	5 nS typ, 10 nS max.	-
	LOAD	15pF	10K Ω // 10pF
CONTROL VOLTAGE RANGE (VCTCXO option)		3.3V: 1.65V \pm 1.35V, 5.0V: 0.5 V \sim 4.5V	
PULLING RANGE (VCTCXO option)		± 5.0 ppm min.	
Vc INPUT IMPEDANCE (VCTCXO option)		100K Ω min.	
PHASE NOISE @ 12.800MHz		-120dBc/Hz @ 100Hz, -140dBc/Hz @ 1KHz, -148dBc/Hz @ 10KHz	
START TIME		2mS max.	
TRI-STATE (OPTION)		Disable: $0.3V_{DD} \text{ max.}$, Enable: $0.7V_{DD} \text{ min.}$	
STORAGE TEMP. RANGE		-55°C to 125°C	



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