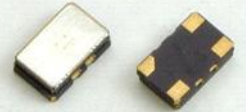


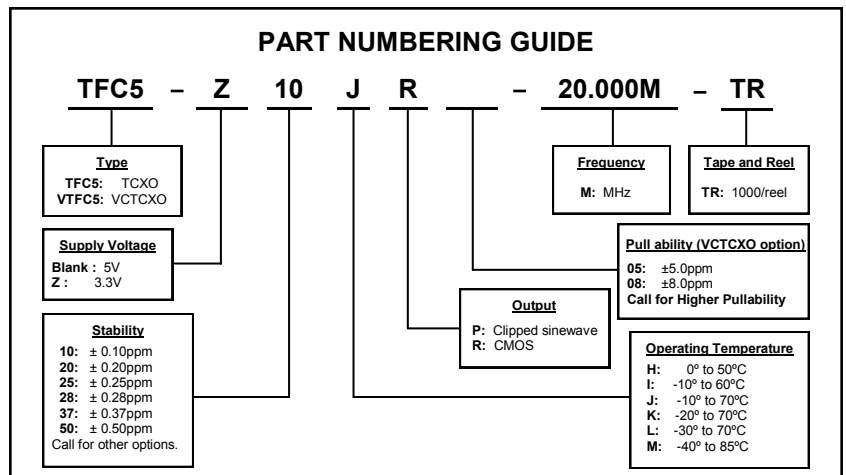
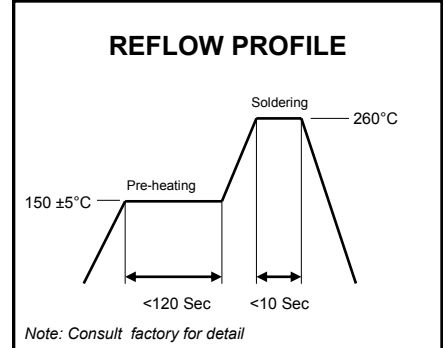
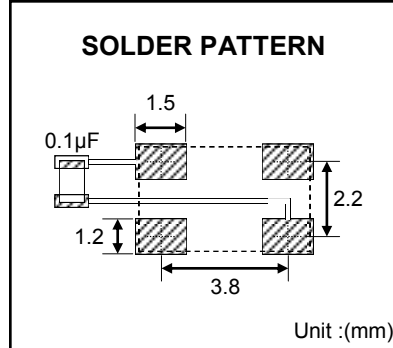
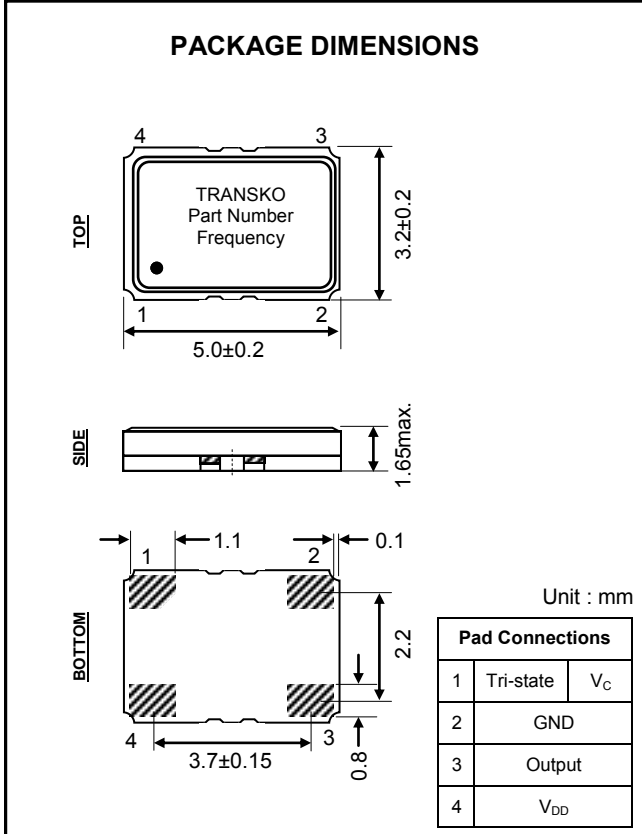
TCXO/VCTCXO ULTRA MINIATURE SMD (5.0 x 3.2 x 1.65mm)

FEATURES:

- HIGH STABILITY UP TO ± 0.1 ppm
- LOW PHASE NOISE
- USED FOR FEMTOCELL APPLICATION



MODEL	TFC5-R	TFC5-P	
FREQUENCY	5 MHz to 40 MHz		
STANDARD FREQUENCIES	10M, 12.8M, 19.2M, 20M, 26M		
FREQUENCY TOLERANCE	± 2.0 ppm max.		
FREQUENCY STABILITY	Available from: ± 0.1 ppm to ± 0.5 ppm		
FREQUENCY STABILITY	Vs. Supply Voltage ($\pm 5\%$) for CMOS		
	± 0.2 ppm max.		
	Vs. Load ($\pm 10\%$)		
Vs. Aging (after 1year)		± 1.0 ppm max.	
POWER SUPPLY	VOLTAGE		
	+5.0V _{DC} $\pm 5\%$, or +3.3V _{DC} $\pm 5\%$		
OUTPUT	CURRENT	6.0mA max.	3.5mA max.
	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 ± 1.35 V, 5.0V: 0.5 V ~ 4.5V		
PULLING RANGE (VCTCXO option)	± 5.0 ppm min.		
V _c 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} max., Enable: 0.7V _{DD} min.		
STORAGE TEMP. RANGE	-55°C to 125°C		



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