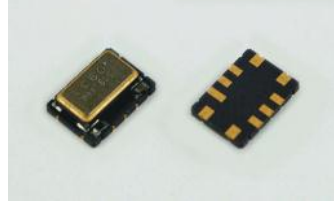


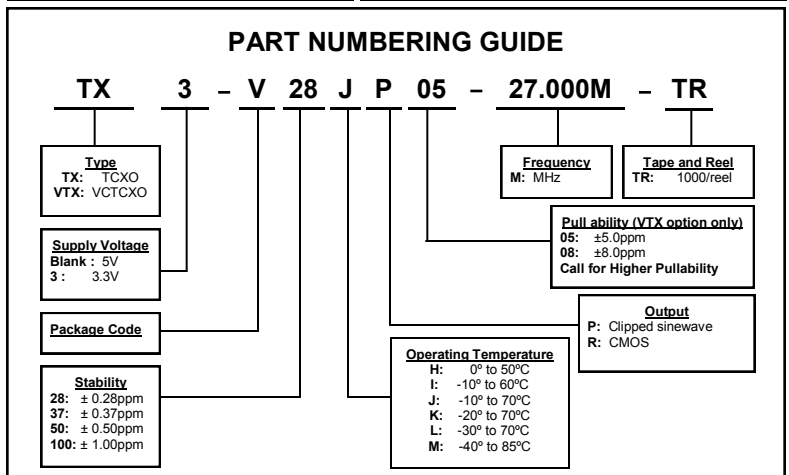
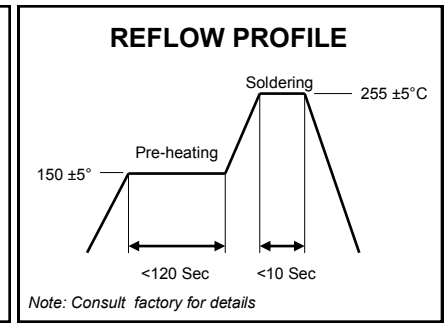
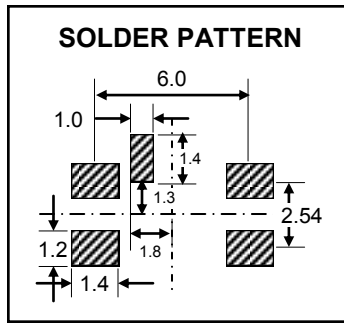
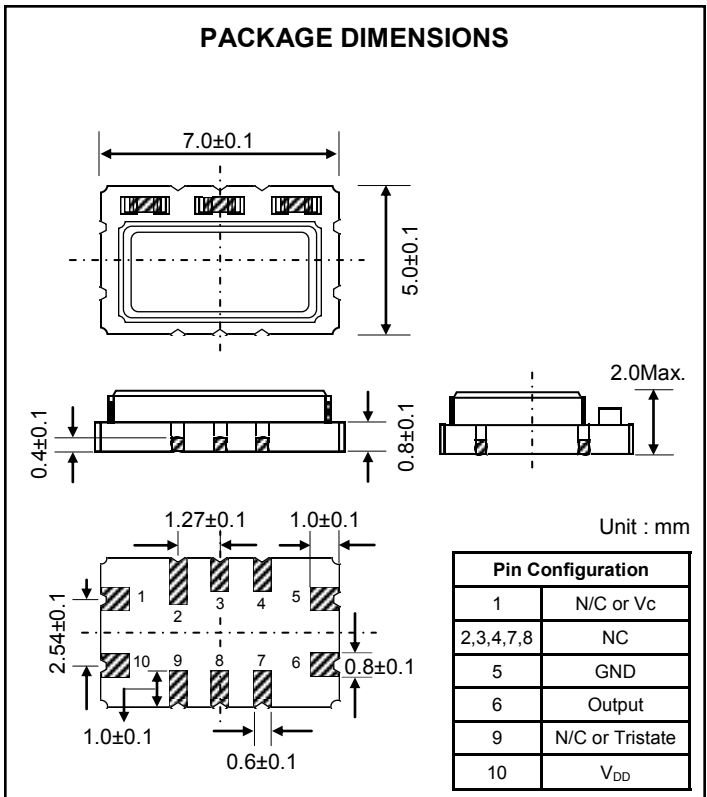
## STRATUM III MINIATURE CERAMIC SMD TCXO (7.0 x 5.0 x 2.0mm)

### FEATURES

- STRATUM III APPLICATION
- $\pm 4.6\text{ppm}$  OVERALL PERFORMANCE INCLUDING 20 YEAR AGING
- CMOS or CLIPPED SINEWAVE OUTPUT OPTION



MODEL	TX-V	
OUTPUT	CMOS	CLIPPED SINEWAVE
SUPPLY VOLTAGE	5.0V, 3.3V $\pm 5\%$	
FREQUENCY RANGE	10.0 ~ 26.0MHz	
STANDARD FREQUENCIES	10.0M, 12.8M	10.0M, 12.8M, 19.2M, 19.44M, 20.0M, 25.6M
OPERATING TEMPERATURE RANGE	STD: 0°C to 70°C, -40°C to 85°C available	
FREQUENCY STABILITY (OVERALL)	$\pm 4.6\text{ppm}$ (Inclusive @ 25C tolerance, load, voltage change, over temp. and 20 year aging)	
FREQUENCY STABILITY VS. TEMPERATURE	$\pm 0.28\text{ppm}$ , $\pm 0.37\text{ppm}$ (other options available)	
SUPPLY CURRENT	6.0mA max.	3.5mA max.
FREQUENCY TUNING (FOR VTX ONLY)	$\pm 5.0\text{ppm min.}$ $\pm 8.0\text{ppm @ } 1.65\text{V} \pm 1.35\text{V}$	
OUTPUT LEVEL		0.8Vp-p min.
LOGIC "1"	90% min.	-
LOGIC "0"	10% max.	-
DUTY CYCLE	45/55%	-
VC INPUT IMPEDANCE	100K $\Omega$ min.	
PHASE NOISE (max. value)	-120dBc @ 100Hz, -140dBc @ 1KHz, -145dBc/Hz @ 10KHz, -150dBc/Hz @ 100KHz	
JITTER (12KHz ~ 20MHz bandwidth) RMS	1pS max.	
START UP TIME	10mS max.	



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