

TCXO WITH CLIPPED SINE WAVE OUTPUT IN SMD 7.0x5.0mm PACKAGE (STRATUM 3).

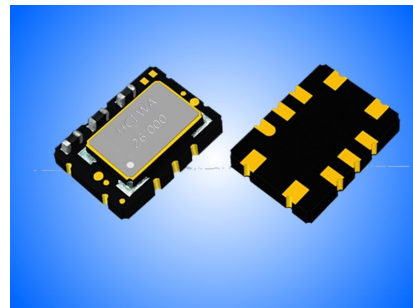
PRODUCT FEATURES

- Small dimensions 7.0x5.0x1.9 with 10 solder pads.
- Stratum 3 (Overall $\pm 4.6\text{ppm}$ including 20 years aging).
- RoHS compliant, LEAD-FREE, HALOGEN-FREE and REACH compliant.

APPLICATIONS

- WiMAX / WLAN / Ethernet
- Telecommunication
- Mobil applications
- Base station

PRODUCT PHOTO (NOT IN SCALE)

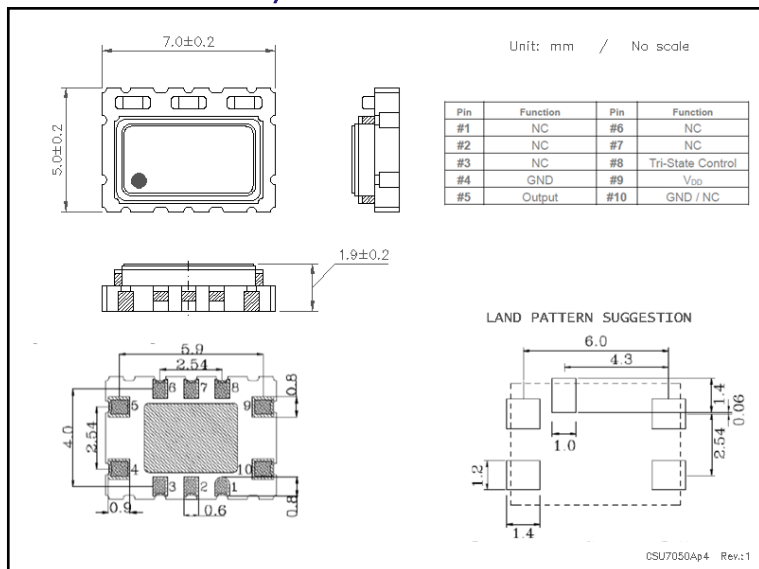


PRODUCT SPECIFICATIONS

PARAMETER	SUPPLY VOLTAGE 3.3V	REMARKS
Frequency range	10 ~ 52MHz	--
Frequency tolerance	$\pm 1.0\text{ppm}$	Initial tol. @+25°C
Frequency stability	$\pm 0.28\text{ppm}$	
Operating temperature range	-20 to +70°C / -30 to +85°C / -40 to +85°C	In combination to above stabilities.
Aging per year	$\pm 1.0\text{ppm}$	@+25°C
Frequency stab.(Overall,20 years aging)	$\pm 4.6\text{ppm}$	
Output waveform and load	Clipped Sine wave 10k Ω /10pF	--
Output voltage level	0.8V _{pp}	Minimum
Symmetry (duty cycle)	45~55%	@ 50%V _{CC}
Phase noise (example 10MHz)	-120dBc/Hz / -140dBc/Hz / -148dBc/Hz	@100Hz / 1kHz / 10kHz
Phase jitter RMS	<1ps	12kHz $\leq$ Fj $\leq$ 20MHz
Supply current	3.5mA	@10k Ω /10pF

Note: Frequency stability is the frequency deviation over temperature range in reference to +25°C

PACKAGE OUTLINE / DIMENSIONS



PACKAGING INFORMATION

- Tape & Reel compliant to EIA-481.
- Embossed carrier width 16mm.
- Component pitch in carrier 4mm.
- Reel diameter 180mm.
- QTY per reel: 1,000pcs

RECOMMENDED REFLOW PROFILE

