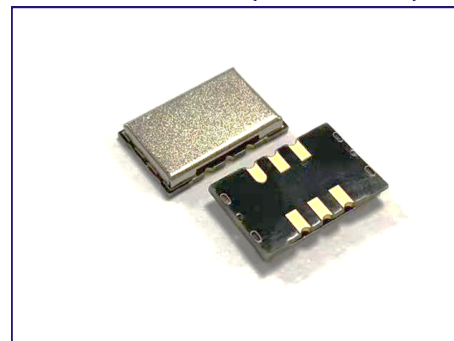


OSCILLATOR UNIT WITH CMOS OUTPUT IN SMD 14x9MM PCB BASE PACKAGE.
PRODUCT FEATURES

- Small dimensions 14.3x9.1x2.8 with 6 solder pads.
- Replace SG-615P
- Tight stabilities over temperature range.
- Tri-state enable/ disable function (pad 1).
- RoHS compliant, LEAD-FREE, HALOGEN-FREE and REACH compliant.

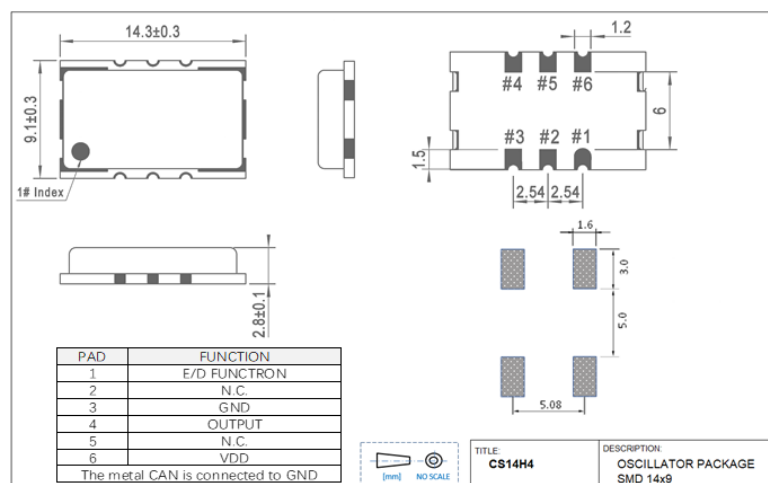
APPLICATIONS

- signal communication
- Industrial control

PRODUCT PHOTO (NOT IN SCALE)

PRODUCT SPECIFICATIONS

PARAMETER	SUPPLY VOLTAGE			REMARKS
	1.8V	2.5V	3.3V	
Frequency range	1~150MHz	1~150MHz	1~150MHz	32.768kHz available
Frequency stability	$\pm 20\text{ppm}$ / $\pm 25\text{ppm}$ / ± 50 / ± 100 ppm			See note below
Operating temperature range	-20 to $+70^\circ\text{C}$ / -40 to $+85^\circ\text{C}$ / -55 ~ 125°C			Options up to $+125^\circ\text{C}$
Aging first year	$\pm 3.0\text{ppm}$			@ $+25^\circ\text{C}$
Supply current	7~15mA	8~18mA	10~20mA	1~30~75MHz @15pF
	25mA	30mA	35mA	≥ 75 ~156MHz @15pF
	---	40mA	45mA	≥ 133 MHz @15pF
Output waveform and load	LVCMOS 15pF			30pF optional
Output voltage level HIGH	1.62V	2.25V	2.97V	Minimum
Output voltage level LOW	0.18V	0.25V	0.33V	Maximum
Rise and Fall times	5ns	5ns	5ns	1~100MHz @10~90% of V_{CC}
	3ns	3ns	3ns	≥ 100 MHz @10~90% of V_{CC}
Symmetry (duty cycle)	45~55% or 40~60%			@ 50% V_{CC}
Phase jitter RMS	<1ps			12kHz $\leq F_j \leq 20$ MHz

Note: Stability includes frequency deviations at $+25^\circ\text{C}$, over temperature range, due to supply voltage

PACKAGE OUTLINE / DIMENSIONS

PACKAGING INFORMATION

- Tape & Reel compliant to EIA-481.
- Embossed carrier width 24mm.
- Component pitch in carrier 12mm.
- Reel diameter 330mm.
- QTY per reel: 1,000pcs

RECOMMENDED REFLOW PROFILE
