

VCXO UNIT WITH LVDS OUTPUT IN SMD 3.2x2.5mm CERAMIC SEAM SEAL PACKAGE.

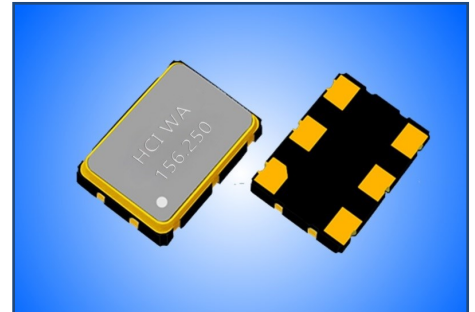
PRODUCT FEATURES

- Small dimensions 3.2x2.5x1.0 with 6 solder pads.
- Tight stabilities over temperature range.
- Tristate enable/ disable function (pad 2).
- RoHS compliant, LEAD-FREE, HALOGEN-FREE and REACH compliant.

APPLICATIONS

- WiMAX / WLAN / Ethernet
- DSL / VoIP
- Cable modem
- Set-top box / HDTV

PRODUCT PHOTO (NOT IN SCALE)

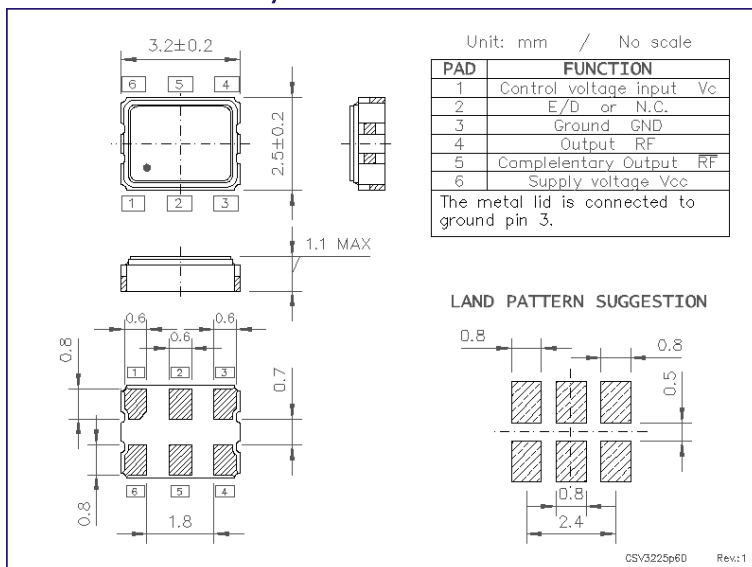


PRODUCT SPECIFICATIONS

PARAMETER	SUPPLY VOLTAGE		REMARKS
	2.5V	3.3V	
Frequency range	10 ~ 1500MHz		--
Frequency stability	±25ppm / ±50ppm		See note below
Operating temperature range	-10 to +60°C / -20 to +70°C / -40 to +85°C		Options available
Aging first year	±3.0ppm		@+25°C
Frequency pulling range	±50ppm ~ ±150ppm		Depending on frequency
Supply current	40mA	50mA	@ load
Output waveform and load	LVDS 100Ω		--
Output voltage level HIGH	0.9V / 1.1V		Minimum / Typical
Output voltage level LOW	1.4V / 1.6V		Typical / Maximum
Rise and Fall times	<1ns	<1ns	@10~90% of V _{CC}
Symmetry (duty cycle)	45~55%		@ 50%V _{CC}
Phase jitter RMS	0.5 ~ 1.5ps		12kHz≤F _j ≤20MHz
Phase noise (122.88MHz)	-113dBc		@ 1kHz
	-119dBc		@ 10kHz
	-120dBc		@ 100kHz

Note: Stability includes frequency deviations at +25°C, over temperature range, due to supply voltage changes, output load changes, shock and vibration.

PACKAGE OUTLINE / DIMENSIONS



PACKAGING INFORMATION

- Tape & Reel compliant to EIA-481.
- Embossed carrier width 8mm.
- Component pitch in carrier 4mm.
- Reel diameter 180mm.
- QTY per reel: 3,000pcs

RECOMMENDED REFLOW PROFILE

