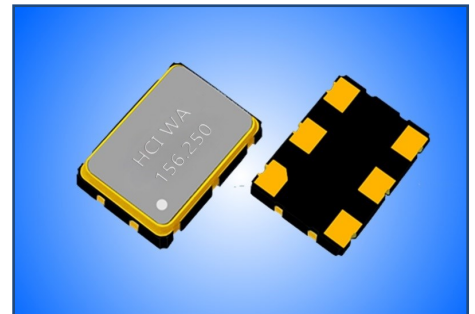


VCXO UNIT WITH HCMOS OUTPUT IN SMD 3.2x2.5mm CERAMIC SEAM SEAL PACKAGE.
PRODUCT FEATURES

- 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.

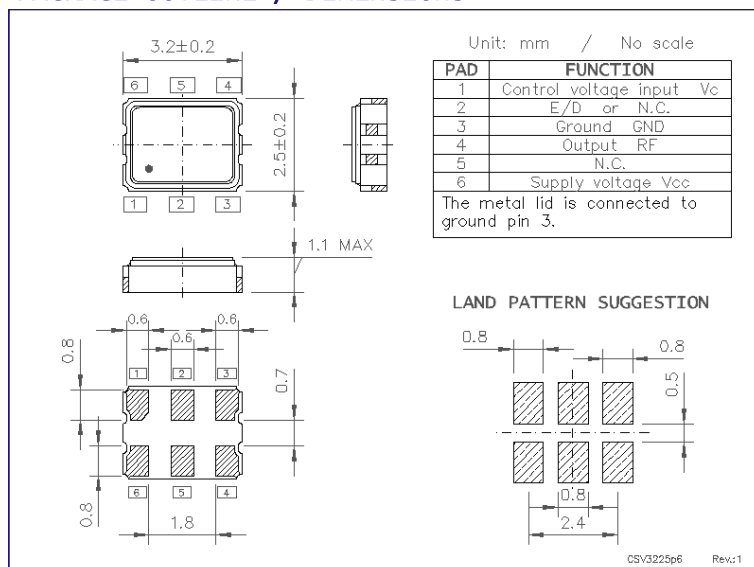
APPLICATIONS

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

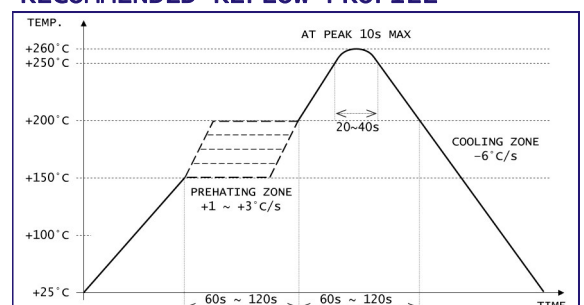
PRODUCT PHOTO (NOT IN SCALE)

PRODUCT SPECIFICATIONS

PARAMETER	SUPPLY VOLTAGE			REMARKS
	1.8V	2.5V	3.3V	
Frequency range	15 ~ 50MHz	10 ~ 250MHz	10 ~ 250MHz	--
Frequency stability	$\pm 25\text{ppm} / \pm 50\text{ppm} / \pm 100\text{ppm}$			See note below
Operating temperature range	-10 to $+60^{\circ}\text{C} / -20$ to $+70^{\circ}\text{C} / -40$ to $+85^{\circ}\text{C}$			Options available
Aging first year	$\pm 3.0\text{ppm}$			@ $+25^{\circ}\text{C}$
Frequency pulling range	$\pm 50\text{ppm} \sim \pm 200\text{ppm}$			Depending on frequency
Supply current	40mA	45mA	50mA	@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	6ns			@10~90% of V_{CC}
Symmetry (duty cycle)	40~60% or 45~55%			@ 50% V_{CC}
Phase jitter RMS	0.8 ~ 1ps			$12\text{kHz} \leq F_j \leq 20\text{MHz}$
Phase noise (27MHz)	-132dBc			@ 1kHz
	-147dBc			@ 10kHz
	-152dBc			@ 100kHz

Note: Stability includes frequency deviations at $+25^{\circ}\text{C}$, 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


单击下面可查看定价，库存，交付和生命周期等信息

[>>Hang Crystal International\(苏州杭晶电子科技有限公司\)](#)