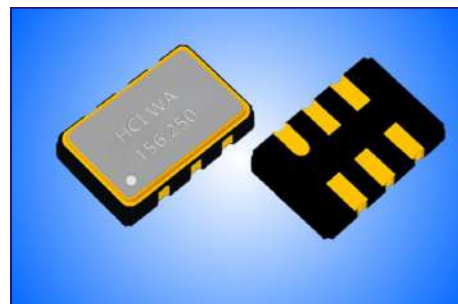


**VCXO UNIT WITH LVPECL OUTPUT IN SMD 5.0x3.2mm CERAMIC SEAM SEAL PACKAGE.**
**PRODUCT FEATURES**

- Small dimensions 5.0x3.2x1.25 with 6 solder pads.
- Tight stabilities over temperature range.
- Tristate enable/ disable function (pad 2).
- RoHS compliant, LEAD-FREE, HALOGEN-FREE and REACH compliant.

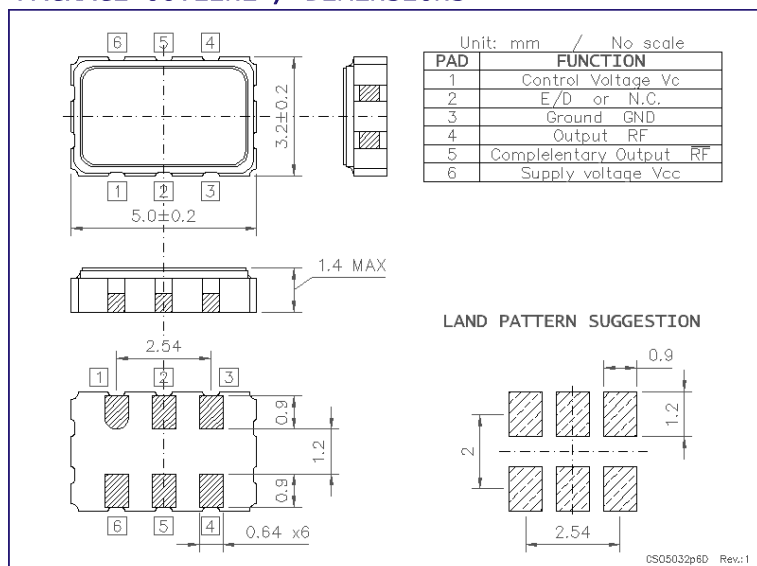
**APPLICATIONS**

- 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	15 ~ 210MHz		--
Frequency stability	±20ppm / ±25ppm / ±30ppm / ±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 ~ ±250ppm		Depending on frequency
Supply current	95mA	120mA	@ load
Output waveform and load	LVPECL 50Ω		into V <sub>DD</sub> -2V
Output voltage level HIGH	V <sub>CC</sub> -1.025V / V <sub>CC</sub> -0.880V		Minimum / Maximum
Output voltage level LOW	V <sub>CC</sub> -1.810V / V <sub>CC</sub> -1.620V		Minimum / Maximum
Rise and Fall times	<1ns	<1ns	@10~90% of V <sub>CC</sub>
Symmetry (duty cycle)	45~55%		@ 50%V <sub>CC</sub>
Phase jitter RMS	<100MHz	<1.0ps	12kHz≤F <sub>j</sub> ≤20MHz
	100MHz ~ 125MHz	<0.7ps	12kHz≤F <sub>j</sub> ≤20MHz
	125MHz ~ 150MHz	<0.5ps	12kHz≤F <sub>j</sub> ≤20MHz
	>150MHz	<0.3ps	12kHz≤F <sub>j</sub> ≤20MHz

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 12mm.
- Component pitch in carrier 8mm.
- Reel diameter 180mm.
- QTY per reel: 1,000pcs

**RECOMMENDED REFLOW PROFILE**
