

VCXO UNIT WITH LVDS OUTPUT IN SMD 7.0x5.0mm CERAMIC SEAM SEAL PACKAGE.

PRODUCT FEATURES

- Small dimensions 7.0x5.0x1.7 with 8 solder pads.
- Tight stabilities over temperature range.
- Very low jitter.
- 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)

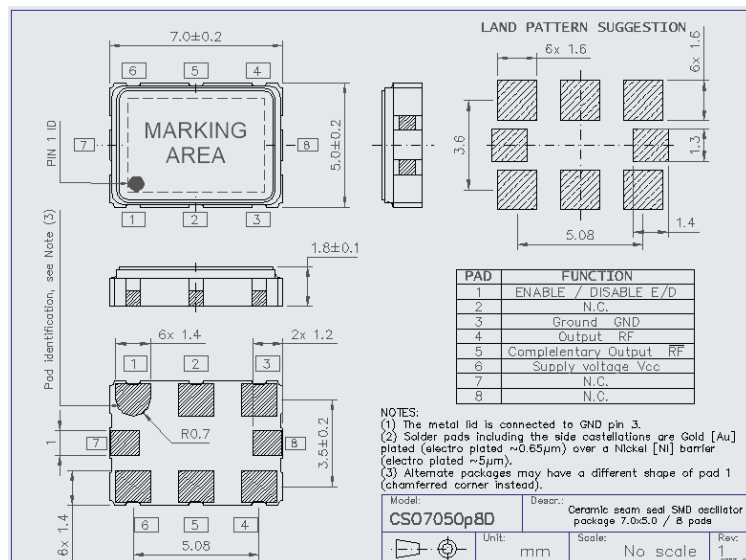


PRODUCT SPECIFICATIONS

PARAMETER	SUPPLY VOLTAGE			REMARKS
	1.8V	2.5V	3.3V	
Frequency range	15 ~ 2100MHz			--
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	80mA	85mA	90mA	@ 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	<1ns	@10~90% of V _{CC}
Symmetry (duty cycle)	45~55%			@ 50%V _{CC}
Phase jitter RMS <100MHz	<0.3ps			12kHz≤F _j ≤20MHz
100MHz ~ 125MHz	<0.2ps			12kHz≤F _j ≤20MHz
125MHz ~ 200MHz	<0.16ps			12kHz≤F _j ≤20MHz
>200MHz	<0.17ps			12kHz≤F _j ≤20MHz

Note: Stability includes frequency deviations at +25°C, over temperature range, due to supply voltage

PACKAGE OUTLINE / DIMENSIONS



PACKAGING INFORMATION

- Tape & Reel compliant to EIA-481.
- Embossed carrier width 16mm.
- Component pitch in carrier 8mm.
- Reel diameter 180mm.
- QTY per reel: 1,000pcs

RECOMMENDED REFLOW PROFILE

