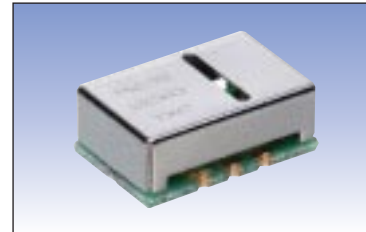


### 14.4 x 9.5 mm SMD VCXO / 7H SERIES

#### ■ Features

- PECL or LVPECL Output
- CMOS with Tri-state or LVDS output is available.
- Optionable stand-by function for output.
- For SONET / SDH application



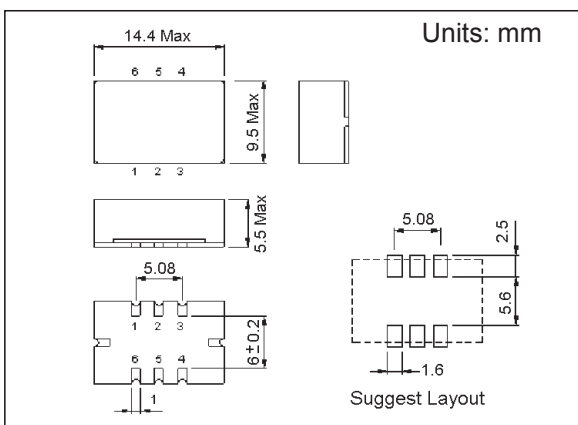
#### ■ Electrical Specifications

Item	Type	7H	
Output Load (PECL)		50 Ω	
Supply Voltage		3.3 V, 5 V	
Nominal Frequency		155.52 MHz [#1]	622.08 MHz [#2]
Frequency Stability		± 50 ppm	
Operating Temperature Range [#3]		-10 ~ +70 °C	0 ~ +85 °C
Storage Temperature Range		-40 ~ +125 °C	
Rise (Tr Max.) / Fall (Tf Max.) Time		0.5 ns Max. (20 ~ 80 %)	
Supply Current		70 mA Max.	
Symmetry		45 ~ 55 %	
Start-up Time		10 ms Max.	2 ms Max.
Frequency Pulling Range		± 75 ppm Min. [#4]	± 80 ~ ± 110 ppm
Nominal Control Voltage		0.5 VDD	
Control Voltage Range		0.1 VDD / 0.9 VDD	
Linearity		± 15 % Max.	± 10 % Max.
Phase Jitter		2 ps Max. (12 KHz ~ 20 MHz)	1 ps Max. (12 KHz ~ 50 MHz)

#### ■ Notes

[#1]	Output frequency range 100 ~ 200 MHz
[#2]	Output frequency range 450 ~ 780 MHz
[#3]	Max. operating temperature range -40 ~ +85 °C
[#4]	Other pulling ranges are available from ± 40 ~ ± 120 ppm

#### ■ Dimensions



#### ■ Pins Connection

Pin	Function
1	CONTROL VOLTAGE
2	ENABLE CONTROL
3	GND
4	OUT
5	~OUT
6	VDD