

# DIP TYPE STC

- Temperature Compensated Crystal Oscillator
- HCMOS / TTL output
- Clipped Sinewave Output
- 3.3 / 5.0 supply voltage

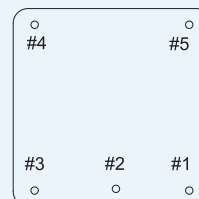
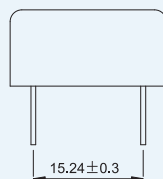
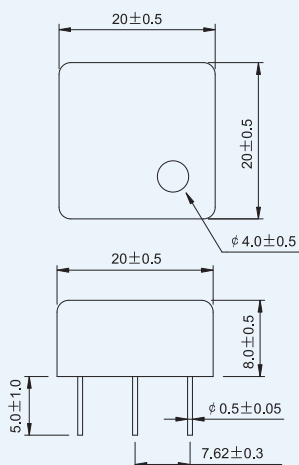


## ELECTRICAL SPECIFICATIONS

	HCMOS / TTL	CLIPPED SINEWAVE
Frequency Range	1.200 to 200.000Mhz	9.600 to 50.000MHz
Operating Temperature Range	0°C ~ +50°C to -40°C ~ +85°C	
Storage Temperature Range	-55°C ~ 125°C	
Frequency / Stability Vs. operating Temperature Range Vs. Input Voltage (±5%) Vs. Load (±10%) Vs. Aging	See Table 2 ±0.3ppm max. ±0.3ppm max. ±1.0ppm max.	
Output Level	TTL : 2.4V <sub>DC</sub> min, 0.4V <sub>DC</sub> max HCMOS : 90% of V <sub>DD</sub> min 10% of V <sub>DD</sub> max	0.8Vp-p min (V <sub>DD</sub> : 3.3V <sub>DC</sub> ) 1.0Vp-p min (V <sub>DD</sub> : 5.0V <sub>DC</sub> )
Supply Voltage( V <sub>DD</sub> )	3.3V to 5.0V	
Input Current	20mA to 60mA	2mA to 5mA
Internal Trim(top of Can)	±3ppm min.	
Rise / Fall Time	4ns max	
Duty Cycle	40 / 60, 45 / 55	
Frequency Deviation	±5ppm or ±10ppm minimum Over Control Voltage	

## MECHANICAL DIMENSIONS

(mm)



### PIN CONNECTION

- #1 V<sub>DD</sub>
- #2 OUTPUT
- #3 V.C or GND
- #4 GND
- #5 GND