Oscillators Series **H14 series 3.3 V**

Dip type CMOS output
20.2 x 12.8 x 6.0 mm

RoHS Compliance

Features

- Tri-state function available.

Applications

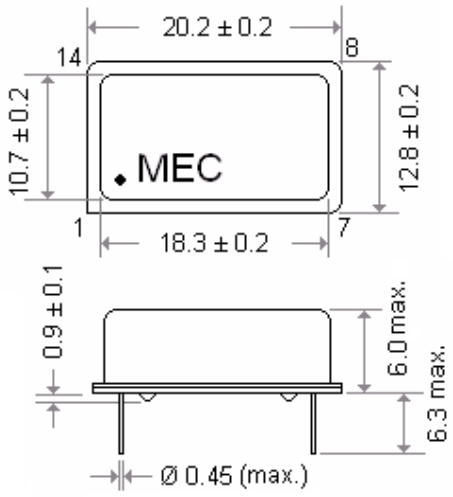
- CPU , Graphics , Multimedia A / V clocks
- MPEG / DVD / HDTV clocks
- Laser engine pixel / set - top clocks
- OC-3 , OC-12 , OC-48 and OC-192 clocks
- SONET / SDH / ATM clocks
- Fast Ethernet and Gigabit Ethernet clocks
- NTSC / PAL encoder / decoder clocks
- PLL / synthesizer clocks
- Fibre channel and ADSL clocks

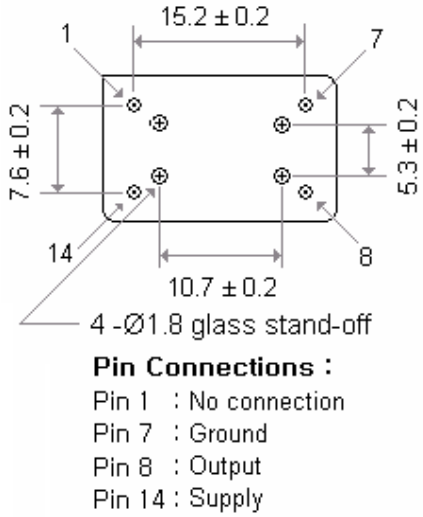
General Specifications

Paramenters		Electrical Spec.		
Input Voltage (V_{DD})		3.3 V ± 5 %		
Frequency Range		25.0 ~ 101.0 KHz	156.0 KHz ~ 200.0 MHz	
Output Wave Form		CMOS output		
Output Logic High " 1 "		2.97 V (min.)		
Output Logic Low " 0 "		0.33 V (max.)		
Output Load		15 pF typical [30 pF , 50 pF load available]		
Rise Time (Tr)		10 n sec.(max.)		
Fall Time (Tf)		10 n sec.(max.)		
Duty Cycle		50% ± 10% [50% ± 5% is also available]		
Current Consumption		25.0 ~ 100.0 KHz	1.5 ~ 50.0 KHz	50.1 ~ 200.0 MHz
		10 mA max.	15 mA max.	35 mA max.
Start - Up Time (Ts)		10 m sec.(typical)		
Storage Temperature		- 50°C to 100°C		
Aging		± 3 ppm per year (max.)		
Frequency Stability [1] Codes	Frequency Stability over Operating Temperature Range	± 25 ppm	± 50 ppm	± 100 ppm
	Commercial (*-10°C to +70°C*)	*A*	*B*	*C*
	Industrial (*-40°C to +85°C*)	*D*	*E*	*F*

If non-standard , please enter the desired stability after the " C " or " I " For example :
" C20 " ±20 ppm over -10°C to +70°C ;
" I20 " ± 20 ppm over -40°C to +85°C

Outline Dimensions (Unit : mm)





Pin Connections :

Pin 1 : No connection
Pin 7 : Ground
Pin 8 : Output
Pin 14 : Supply

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