IHD 好达 SHOULDER

Full / Half Size Crystal Oscillator

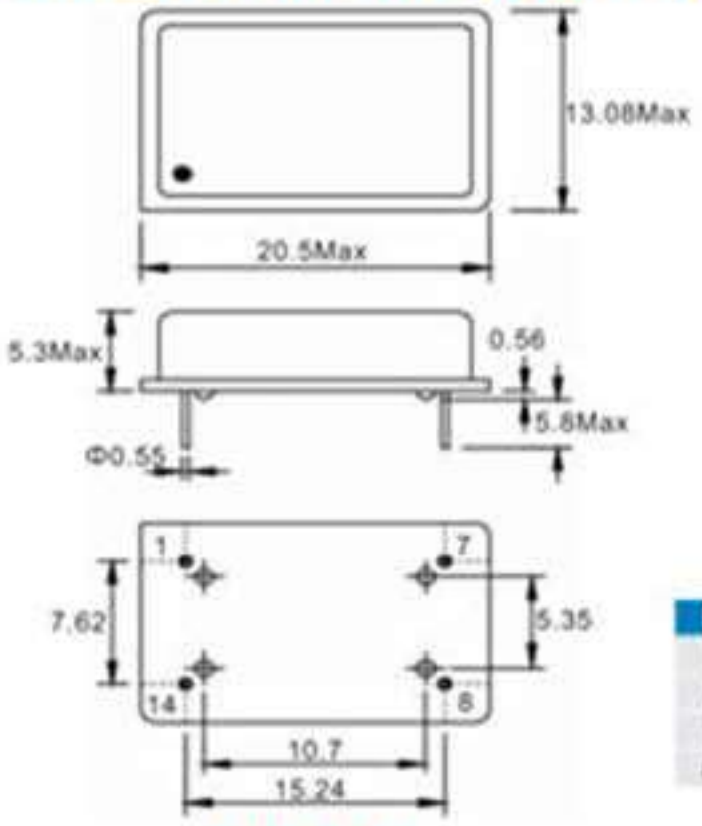
FEATURE

- All metal welded package
- Broad frequency range from 1.000Mhz to 100.000MHz
- Built-in C-MOS IC with tri-state function
- 5V and 3.3V supply model available

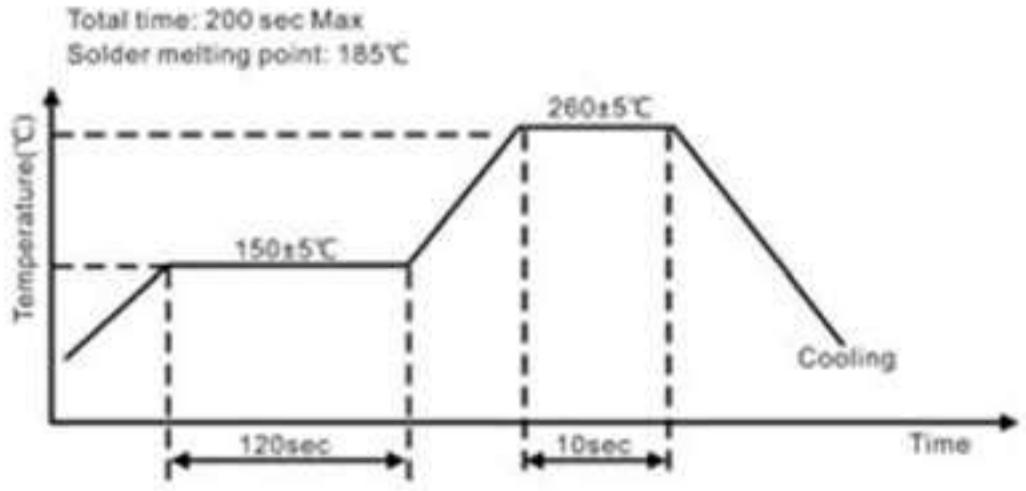
ELECTRICAL SPECIFICATIONS

Model Type		OSC14 (Full Size)		OSC8 (Half Size)	
Frequency Range		1.000MHz ~ 100.000MHz			
Overall Frequency Stability		±25ppm ~ ± 100ppm (Inclusive of Operating Temp, Supply Voltage & Load)			
Operating Temperature		-10℃ ~ +60℃ to -40℃ ~ +85℃			
Storage Temperature		-40℃ ~ +85℃ / -55℃ ~ +125℃			
Supply Voltage		5.0V	3.3V	5.0V	3.3V
Input Current Max	1.000~35.999MHz	25mA	20mA	25mA	20mA
	36.000~69.999MHz	60mA	40mA	60mA	40mA
	70.000~100.000MHz	80mA	60mA	80mA	60mA
Output Voltage	V_{OL}(Max) TTL/HCOMS	$0.4V_{DC}$/ $0.5V_{DC}$	$0.4V_{DC}$	$0.4V_{DC}$/ $0.5V_{DC}$	$0.4V_{DC}$
	V_{OH}(Min) TTL/HCOMS	$2.4V_{DC}$/$4.5V_{DC}$	$2.4V_{DC}$/$4.7V_{DC}$	$2.4V_{DC}$/$4.5V_{DC}$	$2.4V_{DC}$/$4.7V_{DC}$
Symmetry (Duty Cycle)		40/60% Std. / 45/55% Available			
Rise/Fall Time		10ns Max <5ns Typical			
Start Time		10ms Max <5ms Typical			
Aging @25°C 1st year (Max)		±3ppm, ±5ppm/year			
Output Load		10TTL or 15pF HCMOS			
Tri state Function (Pin 1 has internal pull-up resistor allowing it to be left floating high.)		V_{IH}: 2.2V or Open Enables Output			
		V_{IL}: 0.8V or Disables Output			
Output Enable/ Disable Time		100ns Max			

DIMENSIONS AND REFLOW CONDITION

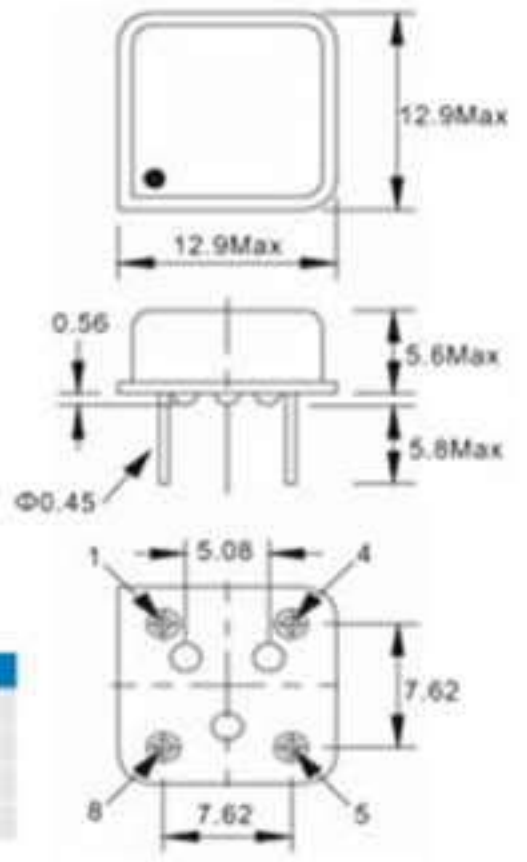


Full Size



PIN	Connection
#1	N.C/Control
#7	GND
#8	Output
#14	Voo

PIN	Connection
#1	N.C/Control
#4	GND
#5	Output
#8	Voo



Half Size