

FEATURE

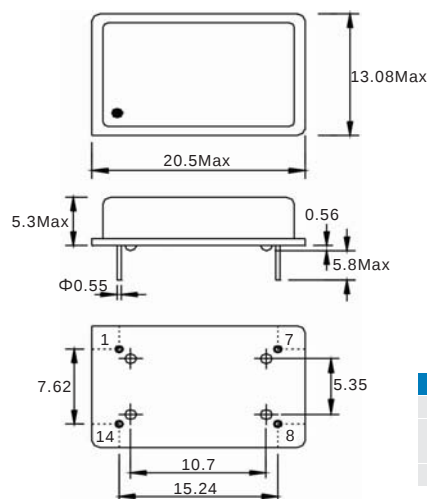
- All metal welded package
- Broad frequency range from 1.000MHz to 100.000MHz
- Built-in C-MOS IC with tri-state function
- 5V and 3.3V supply model available

ELECTRICAL SPECIFICATIONS

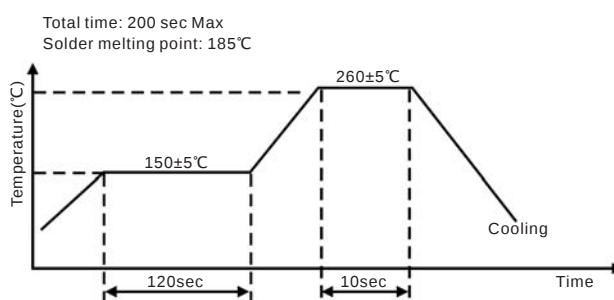
Model Type		OSCF(Full Size)		OSCH(Half Size)	
Frequency Range		1.000MHz ~ 100.000MHz			
Overall Frequency Stability		±25ppm ~ ± 100ppm (Inclusive of Operating Temp, Supply Voltage & Load)			
Operating Temperature		-10°C ~ +60°C to -40°C ~ +85°C			
Storage Temperature		-40°C ~ +85°C / -55°C ~ +125°C			
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 1 st 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			



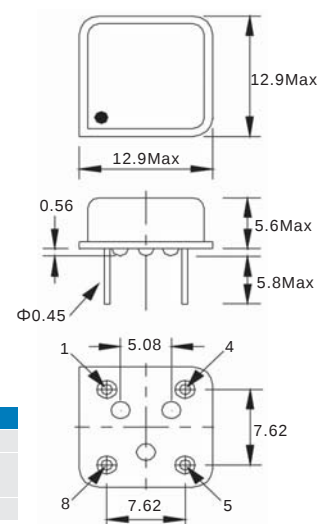
DIMENSIONS AND REFLOW CONDITION



Full Size



PIN	Connection
#1	N.C/Control
#7	GND
#8	Output
#14	V _{DD}



Half Size

PIN	Connection
#1	N.C/Control
#4	GND
#5	Output
#8	V _{DD}

PART NUMBER

GMK-OSCF-	25.000	-	50	-	3.3	-	S	-	1	-	B	-	T
OSCH-	Frequency 25.000MHz		Overall Freq. Stability 50ppm		Supply Voltage 5:5.0V 3.3:3.3V		Symmetry: S:40/60% T:45/55%		Output 1:15pF HCMOS 2:10TTL 3:30pF 4:50pF 5:10TTL/15pF		Operating Temp A:-10~60°C B:-20~70°C C:-40~85°C		Option: T:Tri state Blank:No Connection