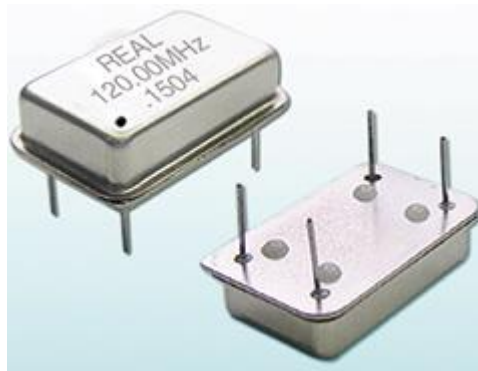


DIP14 Crystal Oscillator

Features:

- Frequency temperature stability $\pm 10 \times 10^{-6}$ Max.
- Working voltage : 5.0V or 3.3V
- TTL/HCMOS compatible
- Symmetry : 45%-55%
- 14-stitch full-size
- Optional three-state control function
- frequency range
- Lead-free green product



• Wide

Specification:

Model	Condition	DIP14	
Frequency Range	F_0	20KHz ~ 160.000MHz	
Frequency Stability	All Condition	See table	
Operating Temp Range	T_{OPR}	See table	
Supply Voltage	V_{DD}	B: 5.0VDC \pm 10%	A: 3.0VDC \pm 10%
Supply Current	L_{DD}	$20.0K \leq F_0 < 24M$	20mA Max.
		$24M \leq F_0 < 50M$	30mA Max.
		$50M \leq F_0 \leq 160M$	40mA Max.
Output Wave / Load		A: TTL 15pF B: TTL 50pF	C: CMOS 15pF C: CMOS 50pF
Stand-by Function (Tri-state)		N: Fixed-Frequency without Tri-State Y: Fixed-Frequency with Tri-State	
Output Duty	1.4V or 50% V_{DD}	45%~55%	
Rise Time	T_R	10ns Max	
Fall Time	T_F	10ns Max	
Output Voltage	"0"Level	0.4V Max. or 10% V_{DD}	
	"1"Level	2.4V Min. or 90% V_{DD}	
Start-Up Time	T_S	10mS Max.	
Aging		± 5 ppM Max	
Storage Temp Range		-55°C~+125°C	
Package		14PIN DIP	

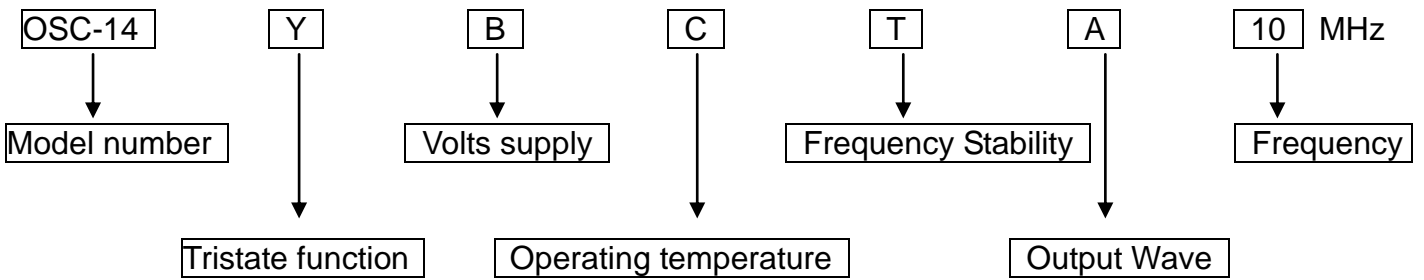
Electrical Specifications(Characteristics):

Temperature Range	Frequency Stability			
	O: ±10ppm	O: ±25ppm	O: ±50ppm	O: ±100ppm
A:0°C~+50°C	●	●	●	●
B:-10°C~+60°C	●	●	●	●
C:-20°C~+70°C	●	●	●	●
△G:-40°C~+85°C		●	●	●
☆J:-55°C~+125°C			◎	◎

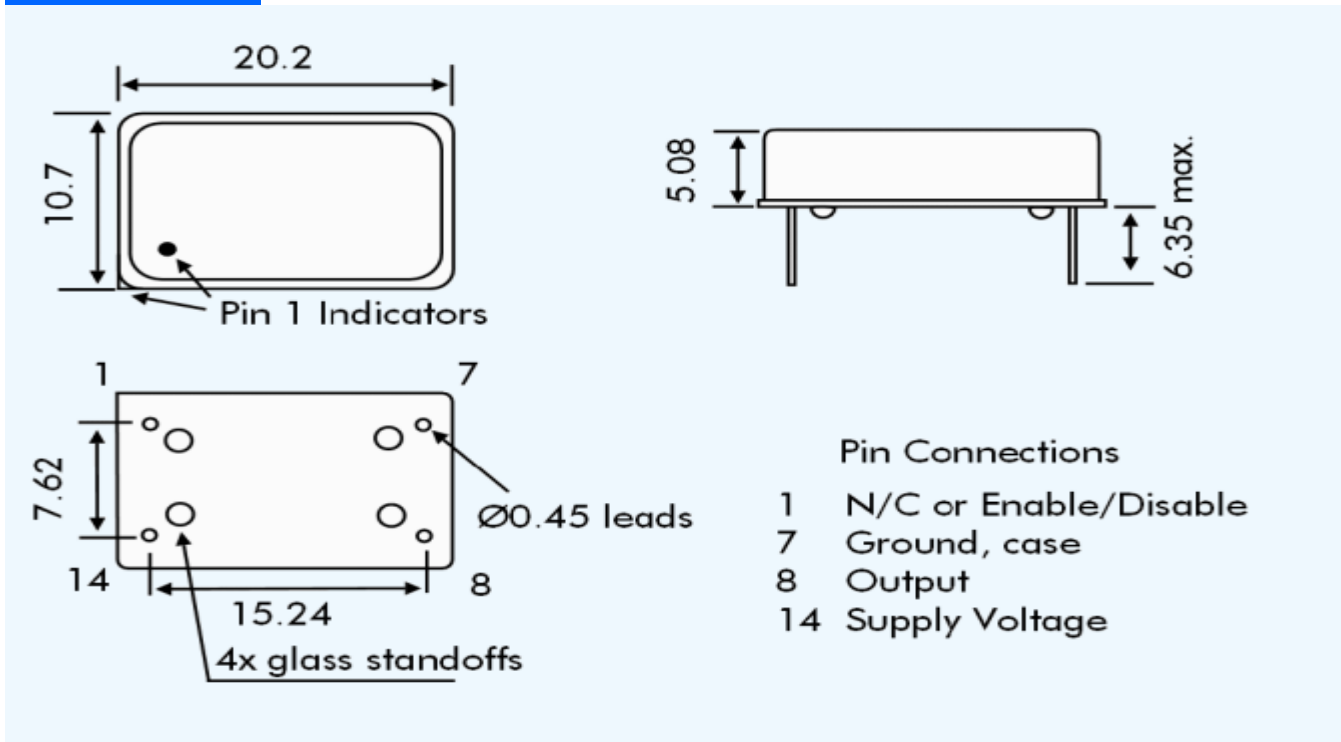
◎Specially designated products.

PART NUMBER GENERATION

OSC-DIP14 series oscillator part numbers are derived as follows:Example:



Dimensions:



* Above specification subject to change without prior notice, please consult our sales @ www.crystal-bj.com