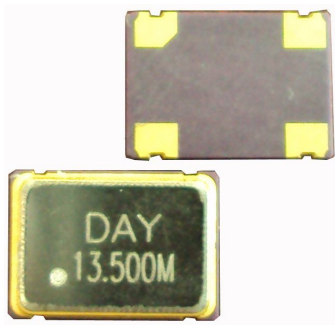


Crystal Oscillator Series									
OSC 7050B									
Features		◆Ceramic/Metal package ◆RoHS Compliant ◆HCMOS/TTL compatible							
Electrical Specifications									
Item		Specifications							
Type		1.8V		2.5V		3.3V		5.0V	
Nominal Frequency Range		32.768KHz							
		0.015MHZ to 180.000MHZ							
Frequency Stability		±20ppm(Standard) at 25°C±3°C. ±10ppm to ±100ppm available							
Operating Temperature		-20°C to +70°C(Standard). -40°C to +85°C available							
Storage Temperature		-55°C to +125°C							
Supply Voltage		1.8V±10%		2.5V±10%		3.3V±10%		5.0V±10%	
Supply Current Max.		MHz		15pF		30pF		50pF	
		0.015 to 9.99		5mA		10mA		15mA	
		10.0 to 19.99		7mA		12mA		20mA	
		20.0 to 39.99		15mA		20mA		25mA	
		40.0 to 69.99		20mA		20mA		30mA	
		70.0 to 99.99		30mA		30mA		40mA	
		100 to 180		40mA		40mA		40mA	
Output	Rise & Fall Time	150ns: 0.015 to 0.999MHz		6ns: 1.00 to 9.99MHz					
		5ns: 10.0 to 39.99MHz		4ns: 40.0 to 69.99MHz					
		3ns: 70.0 to 125.0MHz		2ns: 125.0 to 180.0MHz					
	Load	15pF: 0.015 to 180.0MHz		15pF: 0.015 to 180.0MHz					
		30pF: 1.0 to 70.00MHz		30pF: 1.0 to 70.00MHz					
				50pF: 1.0 to 40.00MHz					
Current Max.	8mA			16mA					
Low Level	V _{DC} ×0.1 Max.								
High Level	V _{DC} ×0.9 Min.								
Symmetry at 1/2 V _{DC}		45/55% typical,40/60% available							
Start Up Time		<10ns							
Aging		±2ppm/year							
Stability vs. Temperature									
◆ Standard		2	3	5	0	6	7	Remarks	
◇ Please specify		±20ppm	±30ppm	±50ppm	±100ppm	±10ppm	±15ppm		
C	-20°C to +70°C	◆	◇	◇	◇	◇	◇	Standard	
D	-40°C to +85°C	◇	◇	◆	◇	◇	◇		
E	-40°Cto +105°C	◇	◇	◇	◆				

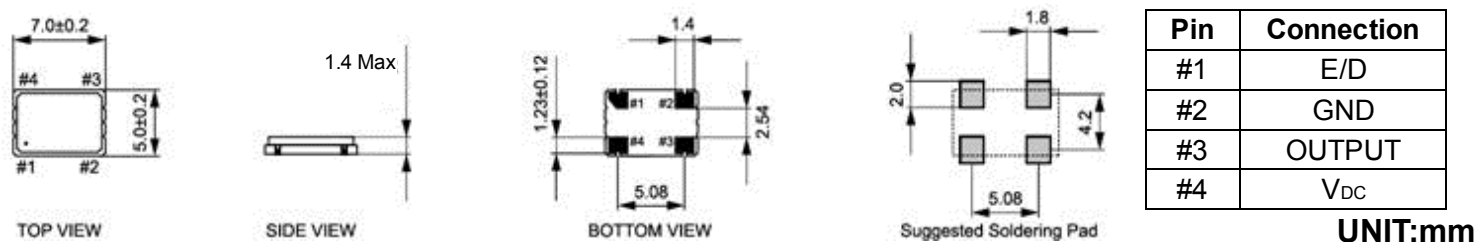
Crystal Oscillator Series

OSC 7050B

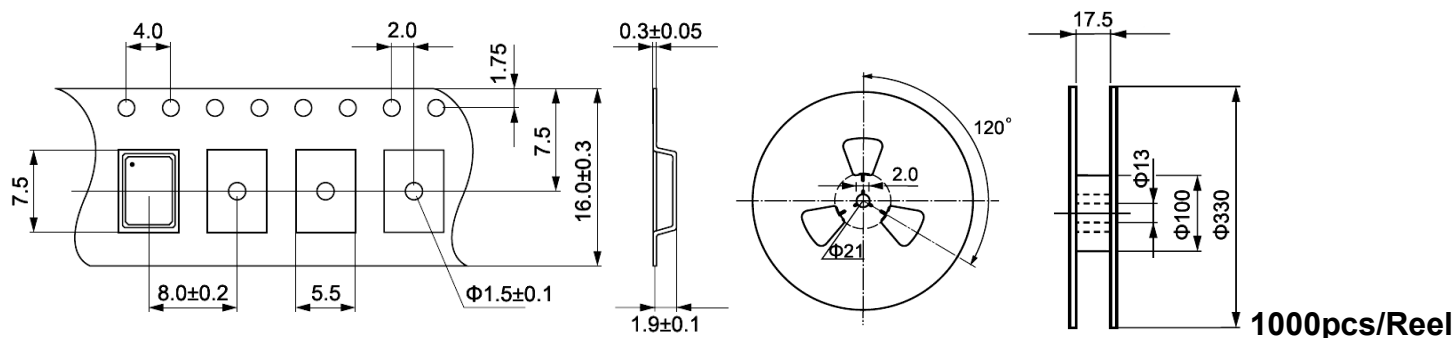
Ordering Information

Q	O	Type	Pin	XX.XXXX XXX.XXX	M	Output Load	Supply Voltage	Stability Vs.Temp.	Operating Temp.	Symmetry At 1/2 V _{DC}	Option
Q:Quartz O:Oscillator	75: 7.0*5.0mm	B: 4Pins		Center frequency 0.015MHZ to180.0MHz	M: MHz	1: 15pF 2: 30pF 3: 50pF	A:3.3V B:5.0V C:2.5V D:1.8V	See Table	See Table	1:45/55% 2:40/60%	F:Lead Free T:T&R Blank:Bulk
Example:QO75B33.3333M1A2C1F (Oscillator,7.0*5.0 ,4Pins ,33.3333MHz, 3.3V, 15pF,45/55%, +/-20ppm,-20 to +70deg.,T&R,Lead free)											

Dimensions



Taping Specification



Reflow Soldering Profile

