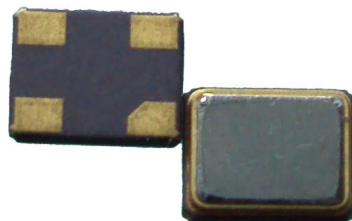


Crystal Oscillator Series	
OSC 3225B	
Features ◆RoHS Compliant ◆HCMOS/TTL compatible	

Electrical Specifications

Item		Specifications		
Type		1.8V	2.5V	3.3V
Nominal Frequency Range		32.768KHZ		
		0.032768MHz to 80.000MHz		
Frequency Stability		±20ppm(Standard) at 25℃±3℃, ±10ppm to ±100ppm available		
Operating Temperature		-20℃ to +70℃(Standard), -40℃ to +85℃ available		
Storage Temperature		-55℃ to +125℃		
Supply Voltage		1.8V±10%	2.5V±10%	3.3V±10%
Supply Current Max.	MHz		MHz	MHz
	0.032~0.99	4mA	0.032~0.99	5mA
	1.0~74.99	7mA	1.0~74.99	10mA
	75.0~135.0	11mA	75.0~168.0	15mA
Output	Rise & Fall Time	180ns: 0.032 to 0.39MHz 9ns: 0.40 to 0.99MHz 7ns: 1.0 to 19.99MHz 5ns: 20.0 to 39.99MHz 4ns: 40.0 to 119.99MHz 2ns: 120.0 to 200.0MHz		
	Load	15PF		
	Current Max.	15mA		
	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		<5ns		
Aging		±2ppm/year		

Stability vs. Temperature

◆ Standard		2	3	5	0	6	7	Remarks
◇ Please specify		±20ppm	±30ppm	±50ppm	±100ppm	±10ppm	±15ppm	
C	-20℃ to +70℃	◆	◇	◇	◇	◇	◇	Standard
D	-40℃ to +85℃	◇	◇	◆	◇	◇	◇	

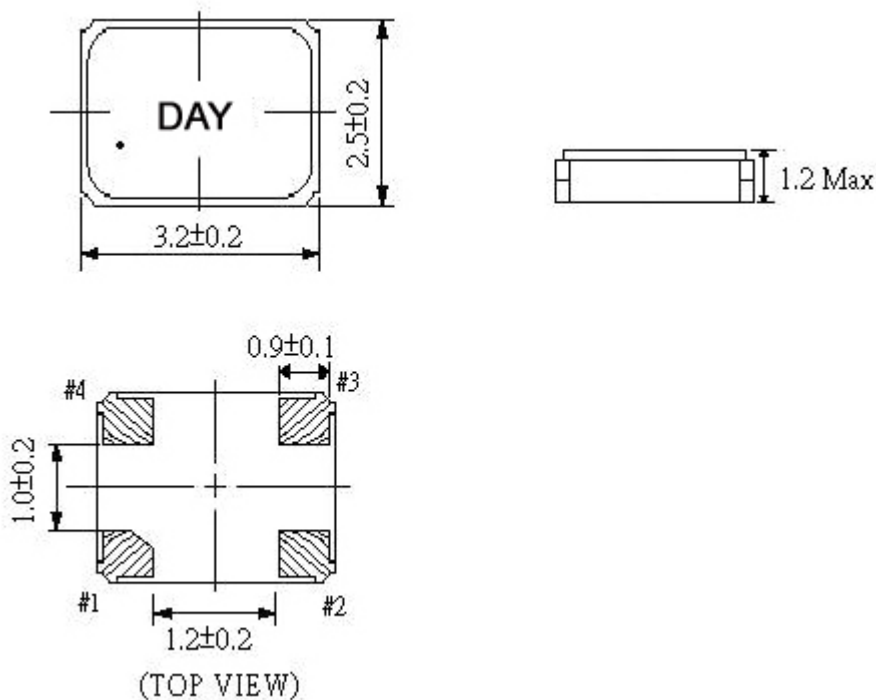
Ordering Information

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	32:	B:		Center frequency	M:		A:3.3V C:2.5V D:1.8V	See Table	See Table	1:45/55% 2:40/60%	F:Lead Free T:T&R Blank:Bulk
O:Oscillator	3.2*2.5mm	4Pins		0.032 to 200MHz	MHz	1: 15pF					
Example:QO32B20.0000M1A2C1FT											
(Oscillator, 3.2*2.5mm, 4Pins, 20.0000MHz, 15pF, 3.3V, +/-20ppm, -20 to +70deg., 45/55%, T&R, Lead free)											

Crystal Oscillator Series

OSC 3225B

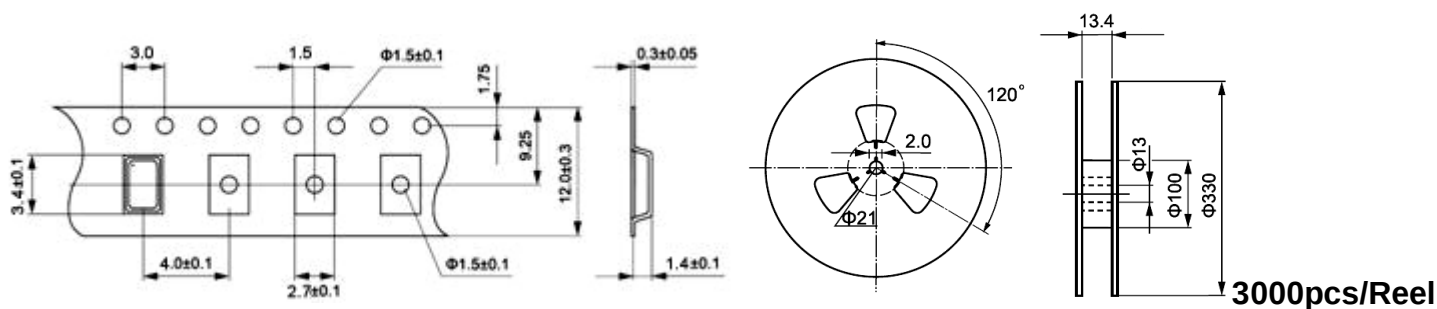
Dimensions



Pin	Connection
#1	E/D
#2	GND
#3	OUTPUT
#4	V _{DC}

UNIT:mm

Taping Specification



Reflow Soldering Profile

