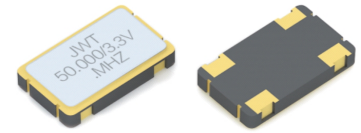




2.0x1.6mm SMD Oscillator

YN Series



Product Features

1. Supports a wide temperature range from -40 to $+125^{\circ}\text{C}$
2. Supports a wide frequency range
3. Ultra small SMD seam sealed crystal oscillator

Applications

1. Industrial control
2. Intelligent IoT
3. Smartphone, Tablet computers, Notebook PC, PC card

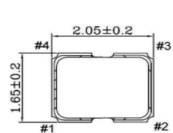
Specifications

Model		YN2016		
Supply voltage (VDD)		0.9-2.0V/1.35V~5.5V		
Frequency range		0.032768~54.000MHz		
Oscillation mode		Fundamental		
Frequency tolerance at 25°C±3°C		±10ppm、±20ppm		
Operating temperature range		-40°C~85°C	-40°C~105°C	-40°C~125°C
Frequency stability over temperature(Ref.to 25°C)		±20ppm	±30ppm	±50ppm
Storage temperature range		-55°C~125°C		
Duty cycle		45~55%		
Current consumption		32.768KHz	0.5mA Max	
		1~54.000MHz	10mA Max	
Output waveform		CMOS		
Start-up time		5.0ms Max		
Rise/Fall time (10%~90%VDD Level)		5.0ns Max		
Tri-State	Output enable	70% VDD		
	Output disable	30% VDD		
High output voltage		0.9 VDD		
Low output voltage		0.1 VDD		
Output load		15pF,30pF,50pF		
Aging at first year		±3.0ppm		

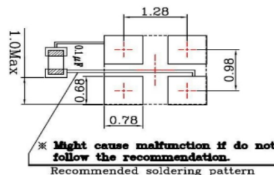
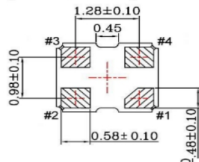
Notes: The above parameters are for normal demands, If you have any different demands, Please contact us.

Dimensions (Unit: mm)

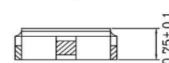
[TOP VIEW]



[BOTTOM VIEW]



[SIDE VIEW]



Pin	Function
#1	Tri-State
#2	GND
#3	OUTPUT
#4	VCC