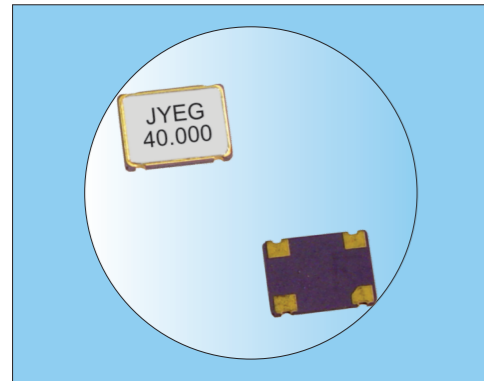


# Crystal Clock Oscillators

## Clock Oscillator/SMD5032



### Features

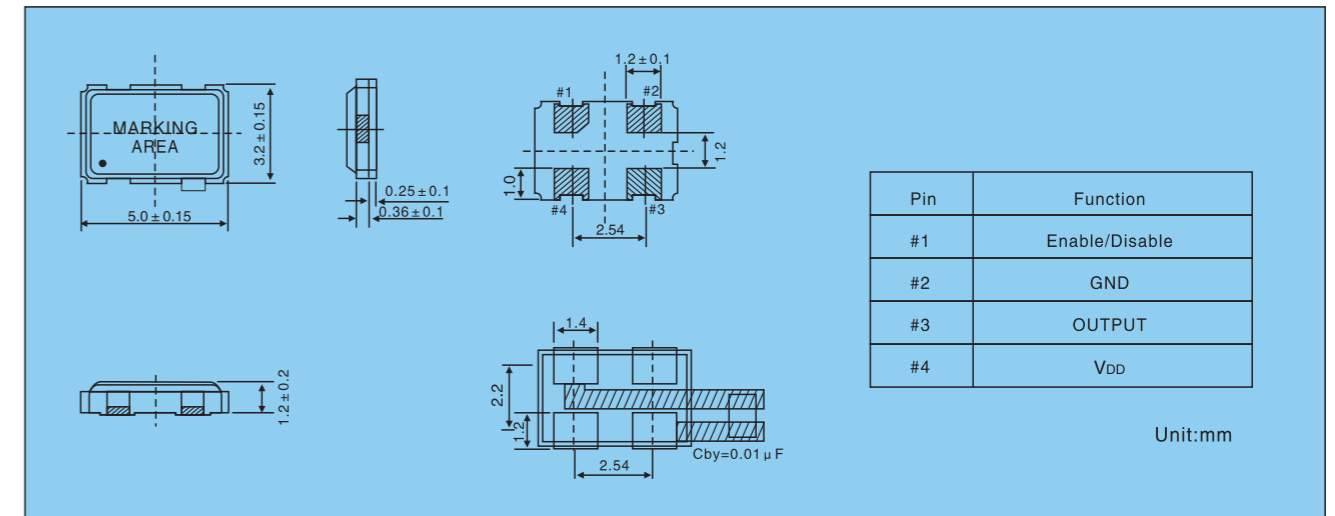
- JYEG part number :JYOD5
- 1.8–3.3V 5V supply voltage
- CMOS/TTL output
- Tri-state function available
- Tape and reel available

### TYPICAL SPECIFICATIONS

Type	OSC SMD5032	
Frequency Range	32.768KHz, 1–54MHz:AT1; > 54–112MHz:AT3	
Frequency Stability	$\geq \pm 20\text{ppm}/\geq \pm 25\text{ppm}$	
Operating Temperature Range	$-20^{\circ}\text{C}\sim 70^{\circ}\text{C}/-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$	
Output Load	1–5TTL or COMS 30pF Max	
	5V	1.8–3.3V
	$\leq 35\text{MHz}$	$\leq 8\text{mA}$
Input Current	$35\sim\leq 54\text{MHz}$	$\leq 16\text{mA}$
	$54\sim\leq 70\text{MHz}$	$\leq 25\text{mA}$
	$70\sim\leq 112\text{MHz}$	$\leq 45\text{mA}$
Supply Voltage	$5.0\text{V} \pm 10\%/3.3\text{V} \pm 10\%/2.5 \pm 10\%/1.8 \pm 10\%$	
Start-up Time	1–54MHz:1ms Max / > 54–112MHz:3ms Max	
Duty Cycle	40%–60% Normal,45%–55% Tight	
Rise/Fall Time	5ns MAX	
Output "0" Level	TTL	CMOS
	0.4V Max	10%VDD Max
Output "1" Level	TTL	CMOS
	2.4V Min	90%VDD Min
Tri-state	Pin1:0.7 VDD Min(High)or open,Output:Enable	
	Pin1:0.3 VDD Max(Low),Output:Disable	
Jitter	5.0ps Max	
Aging	$\pm 5\text{ppm/year Max}$	
Storage Temperature Range	$-55^{\circ}\text{C}\sim 125^{\circ}\text{C}$	

# Crystals Clock Oscillators

## OSC SMD5032(JYOD5)



## TAPE AND REEL DIMENSIONS

