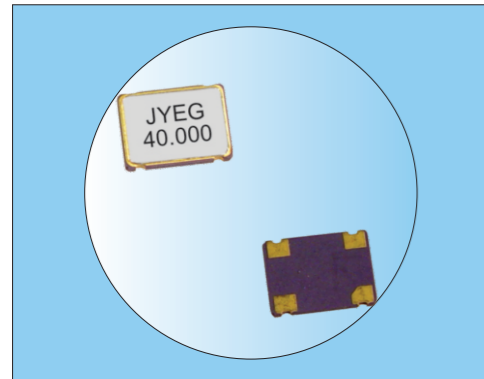


# Crystal Clock Oscillators

## Clock Oscillator/SMD5032



### Features

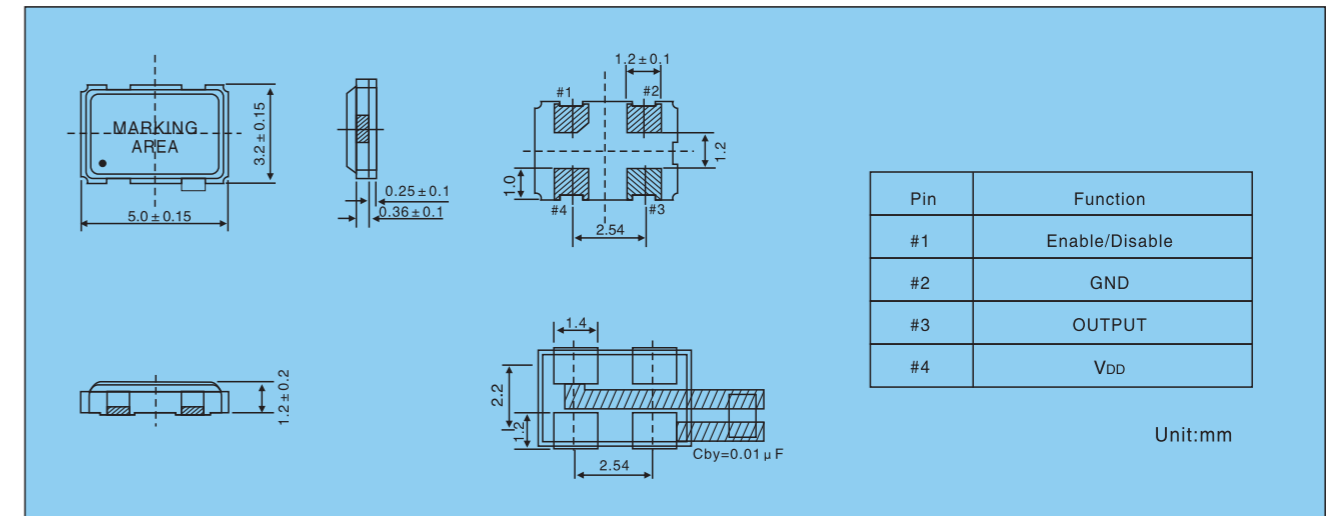
- JYEG part number :JYOD5
- 1.8–3.3V 5V supply voltage
- CMOS/TTLs output
- Tri-state function available
- Tape and reel available

### TYPICAL SPECIFICATIONS

Type	OSC SMD5032	
Frequency Range	32.768KHZ, 1–54MHz:AT1; > 54–133MHz:AT3	
Frequency Stability	$\geq \pm 20\text{ppm}/\geq \pm 25\text{ppm}/\geq \pm 50\text{ppm}/\geq \pm 100\text{ppm}$	
Operating Temperature Range	–20°C–70°C/–40°C–85°C/–40–105°C/–40–125°C	
Output Load	1–5TTL or CMOS 30pF Max	
	5V	1.8–3.3V
	32.768KHZ	$\leq 1\text{mA}$
	$\leq 35\text{MHz}$	$\leq 12\text{mA}$
Input Current	35– $\leq 54\text{MHz}$	$\leq 16\text{mA}$
	54– $\leq 70\text{MHz}$	$\leq 50\text{mA}$
	70– $\leq 133\text{MHz}$	$\leq 60\text{mA}$
Supply Voltage	5.0V $\pm 10\%$ /3.3V $\pm 10\%$ /2.5V $\pm 10\%$ /1.8V $\pm 10\%$	
Start-up Time	1–54MHz:1ms Max / > 54–133MHz: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 RMS	Pin1:0.7 VDD Min(High)or open,Output:Enable Pin1:0.3 VDD Max(Low),Output:Disable	
Jitter(12KHZ 20HZ)	1.0ps Max	
Aging	$\pm 3\text{ppm/year}$ Max	
Storage Temperature Range	–55°C~125°C	

# Crystals Clock Oscillators

## OSC SMD5032(JYOD5)



## TAPE AND REEL DIMENSIONS

