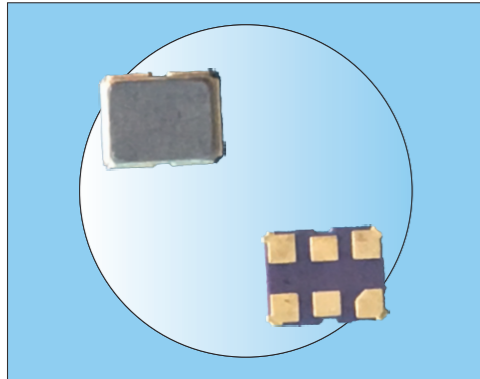


Crystal Oscillators

Voltage Controlled Crystal Oscillator/SMD2520



Features

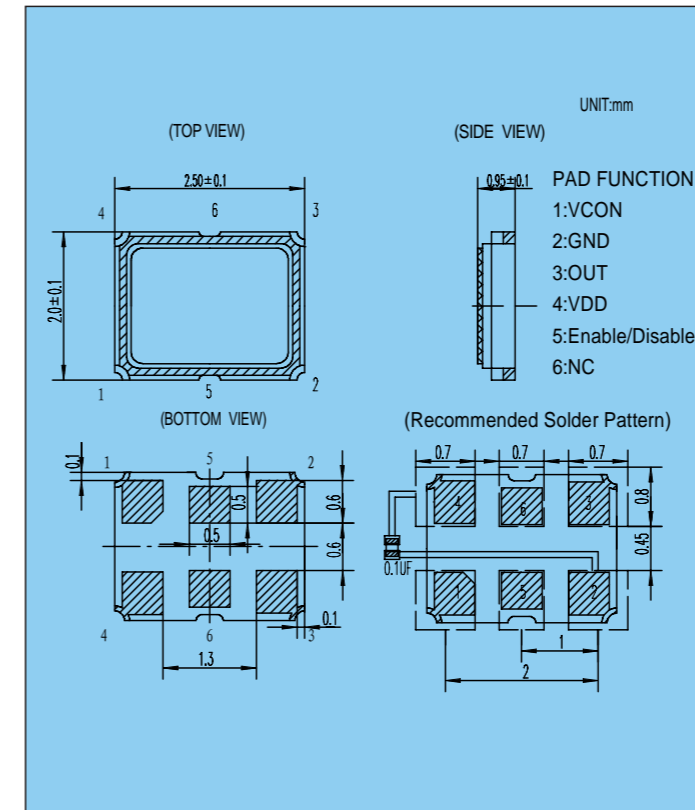
- JYEG part number :JYVCD2
- 3.3Vsupply voltage
- CMOS/TTL output
- Tri-state function available
- Tape and reel available

TYPICAL SPECIFICATIONS

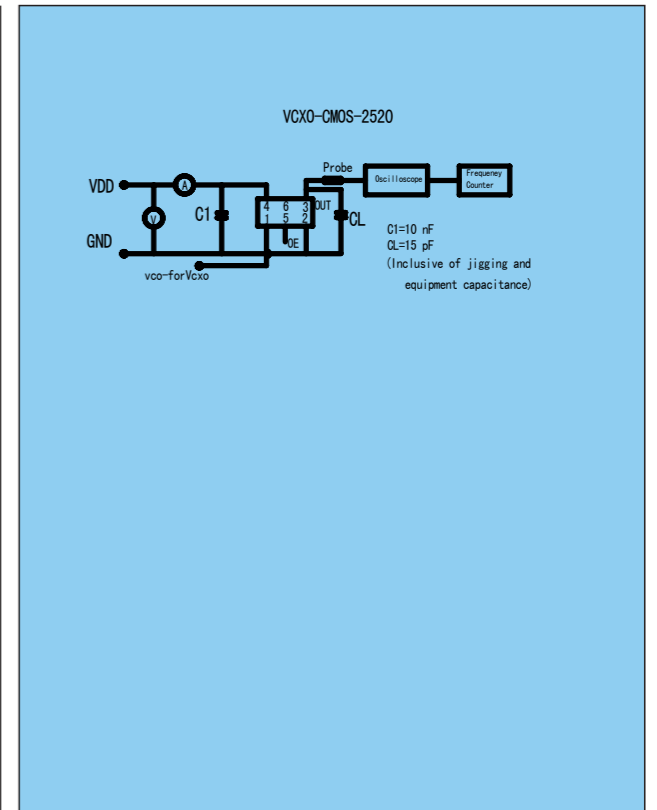
Type	VCXO SMD2520	
Frequency Range	2.048 ~125.000MHZ(AT1)	
Frequency Stability	$\geq \pm 25\text{ppm} / \geq \pm 35\text{ppm} / \geq \pm 50\text{ppm}$	
Operating Temperature Range	$-20^{\circ}\text{C} \sim 70^{\circ}\text{C} / -40^{\circ}\text{C} \sim 85^{\circ}\text{C} / -40 \sim 105^{\circ}\text{C}$	
Output Load	1~5TTL / CMOS 30PF Max	
Input Current	$\leq 16\text{mA}$	
Supply Voltage	$3.3\text{V} \pm 10\%$	
Start-up Time	1ms Max	
Duty Cycle	40%~60% Normal,45%~55% Tight	
Rise/Fall Time	5ns Max	
Pulling Range	$\pm 50\text{ppm}$ Min	
Control Voltage Range	10%VDD~90%VDD	
Linearity	10% 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	Pin2:0.7 VDD Min(High)or open,Output:Enable	
	Pin2:0.3 VDD Max(Low),Output:Disable	
RMSJitter(12KHZ~20MHZ)	1.0ps Max	
Aging	$\pm 3\text{ppm/year}$ Max	
Storage Temperature Range	$-55^{\circ}\text{C} \sim 125^{\circ}\text{C}$	

Crystal Oscillators

VCXO SMD2520(JYVCD2)



TEST CIRCUIT



TAPE AND REEL DIMENSIONS

