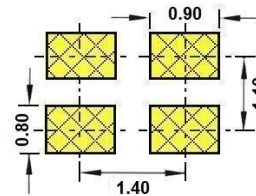
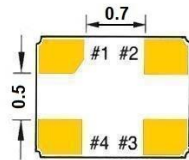
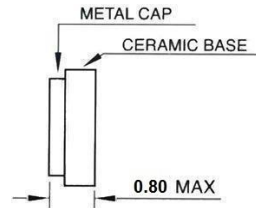
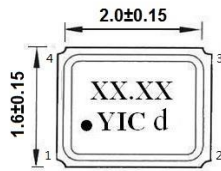


OSC-S21 Series : SMD Crystal Clock Oscillator 2.0x1.6 mm 4.000 - 50.000MHz

● SPECIFICATION

Model	OSC-S21 Series		
Frequency range	4.000 ~ 50.000 MHz		
Storage temperature range	- 55°C ~ + 125°C		
Operation temperature range	- 10°C ~ + 70°C , - 40°C ~ + 125°C		
Frequency stability	±20 ppm ~ ±50ppm		
Power supply voltage	3.3V DC ±10%	2.5V DC ±5%	1.8V DC ±5%
Current consumption	4.000~9.999 MHz : 5mA max	4.000~9.999 MHz : 4mA max	4.000~9.999 MHz : 3mA max
	10.000~19.999 MHz : 6mA max	10.000~19.999 MHz : 5mA max	10.000~19.999 MHz : 4mA max
	20.000~31.999 MHz : 7mA max	20.000~31.999 MHz : 6mA max	20.000~31.999 MHz : 5mA max
	32.000~50.000 MHz : 8mA max	32.000~50.000 MHz : 7mA max	32.000~50.000 MHz : 6mA max
Output level	C-MOS		
Load	15pF max.		
Output voltage level	V _{OL} : 10% V _{dd} max. / V _{OH} : 90% V _{dd} min.		
Duty cycle	40% ~ 60% at 1/2 V _{dd}		
RISE / FALL TIME	4.000~9.999MHz : 5nS max	4.000~9.999MHz : 5nS max	4.000~9.999MHz : 6nS max
	10.000~19.999 MHz : 5nS max	10.000~19.999 MHz : 5nS max	10.000~19.999 MHz : 6nS max
	20.000~31.999 MHz : 5nS max	20.000~31.999 MHz : 5nS max	20.000~31.999 MHz : 5nS max
	32.000~50.000 MHz : 5nS max	32.000~50.000 MHz : 5nS max	32.000~50.000 MHz : 5nS max
AGING	±3ppm / Year		

● DIMENSIONS (mm)

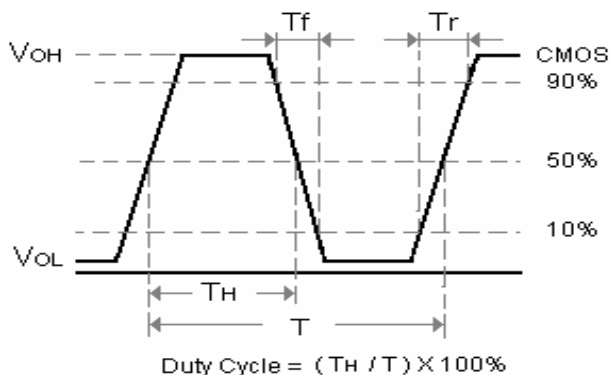


#1 : E/D #2 : GND
#4 : VDD #3 : OUTPUT

Bottom

(Recommended Land Pattern)

● OUTPUT WAVEFORM



● TEST CIRCUIT

