

Programmable Crystal Oscillator



YSO6921PR Low Jitter



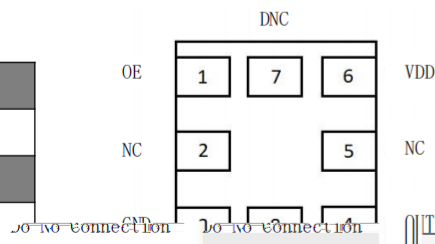
Applications: Features:

Frequency Range: 150 MHz ~ 250 MHz | Package Size: 3.2*5.0mm, 5.0*5.0mm | Industrial | Ultra-low Phase Jitter: 1.50ps (Typ.) @ 3.3V, 156.25MHz

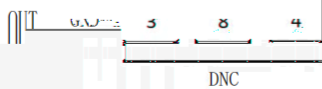
Specifications (规格参数)

Item / Type	Specifications
Frequency Range	150MHz ~ 250MHz
Supply Voltage Variation (VDD)	1.8V, 2.5V, 3.3V
Frequency Tolerance	±20ppm, ±50ppm, ±100ppm, or specify
Output Load	15pF
Operating Temperature Range	-40~+85°C, or specify
Storage Temperature Range	-55~+150°C
VOH (Min.) / VOL (Max.)	VOH = 90%VDD / VOL = 10%VDD
Rise / Fall Time	3.0nsec (Typ.) ; 10nsec (Max.)
Duty Cycle	45~55%
Start-up Time	5msec (Typ) ; 10msec (Max)
Phase Jitter	1.50ps (Typ.) ; 1.59ps (Max) @ 156.25MHz
Current Consumption (VDD = +3.3V)	75mA (Typ) ; 90mA (Max)
Disable Current	62mA (Typ)
Enable / Disable Function on Pad1	80% of VDD (Min) to enable output
Enable / Disable Time	20% of VDD (Max) to disable output
Frequency Aging (at 25°C)	±2 ppm / year max

Pin Assignments



Pin Dimension (脚位尺寸)



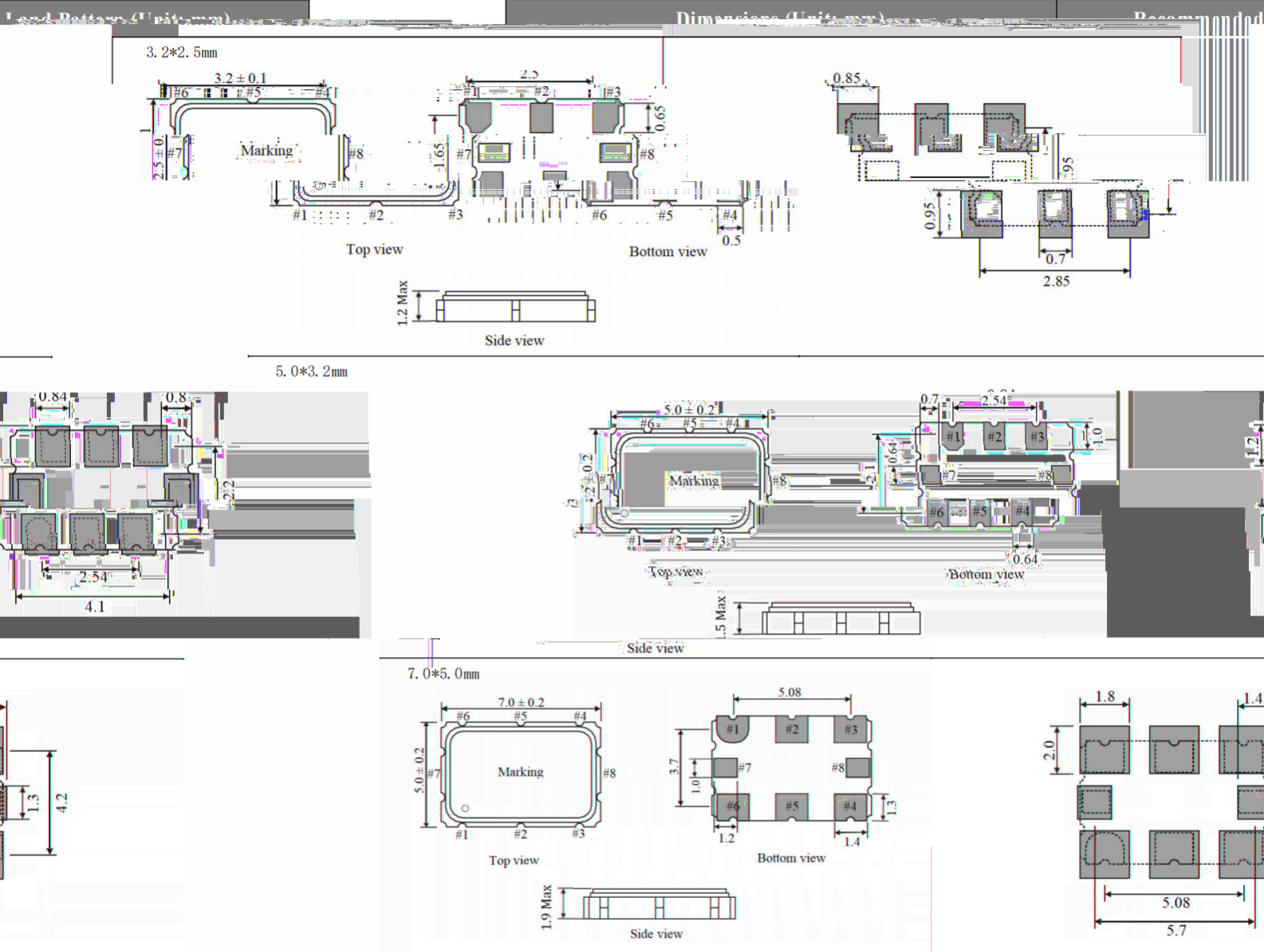
Pin	#1	#2	#3	#4
FUNCTION	Output Enable	No Connection	Ground	Output
Pin	#5	#6	#7	#8
FUNCTION	No Connection	No Connection	No Connection	Supply Voltage



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Dimensions and Recommended Land Pattern



Programmable Crystal Oscillator YSO692PR

Low Jitter



OSC CIRCUIT (晶体电路)

