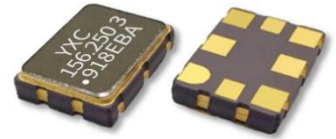


PROGRAMMABLE CRYSTAL OSCILLATOR



YSO692PR Low Jitter



Applications

- Any frequency

Features

- One time programmable
- Frequency Range :150-250MHz.
- Ultra-low RMS Jitter : 150 fsec (typ.) @ 3.3V , 156.250 MHz
- Low jitter design with new developed IC
- Package Size: 3.2*2.5 5.0*3.2 7.0*5.0mm.

Specifications

Frequency Range	150MHz to 250MHz
Supply Voltage Variation (Vdd)10%	+ 1.8 V ± 5% , + 2.5 V ± 10% , + 3.3 V ± 10%
Frequency Tolerance	±20ppm, ±50ppm, ±100ppm or specify
Operating Temperature Range	-40~+85°C, or specify
Storage Temperature Range	-55~+150°C
Output Type	CMOS
Rise Time/Fall Time(20% to 80% Waveform)	5ns Max
Duty Cycle	45~55%
Start-up Time	10ms Max.
RMS Jitter (typ.) (12 KHz to 20 MHz)	156.250 MHz : 159 fsec. ; 491.520 MHz : 155 fsec. ; 644.530 MHz : 151 fsec. ; 2,000 MHz : 163 fsec
Frequency Aging (at 25°C)	±3 ppm / year Max.
Current Consumption(VDD = + 3.3 V)	75 mA (typ.) 90 mA (max.)

Dimensions and Patterns [unit:mm]

Package Size – Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)
<p>3.2*2.5mm</p>	

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<p>5.0*3.2mm</p>	
<p>7.0*5.0mm</p>	
<p>Pad Connections : Pad 1 : Output Enable ; Pad 2 : No Connection ; Pad 3 : Ground ; Pad 4 : Output , Pad 5 : No Connection; Pad 6 : Supply Voltage ; Pad 7 , Pad 8 : Do Not Connect</p>	

Test Circuit

