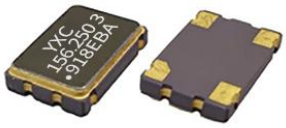
CRYSTAL OSCILLATOR

YSO170PS EMI Reduction



Applications

- Any frequency

Features

- Reduce electromagnetic interference (EMI) by approx. 7 dB to 16 dB
- Low jitter design with new developed IC
- Package Size: 5.0*3.2 7.0*5.0.

Specifications

Frequency Range	5.0*3.2*1.2mm	7.0*5.0*1.4mm
Parameter	6.0MHz to160MHz	3.5MHz to 165MHz
Supply Voltage Variation (Vdd)10%	3.3V±10%	
Frequency Tolerance	±25ppm,±50ppm,±100ppm,or specify	
Operating Temperature Range	-10~+70℃,-40~+85℃,or specify	
Storage Temperature Range	-55~+125℃	
Working Temperature	-40~+85℃	
Output Type	CMOS	
Rise Time/Fall Time	4ns Max	
Duty Cycle	45~55%	
Start-up Time	2.0ms（typ）；5ms（max）	
Frequency Aging (at 25℃)	±5 ppm / year Max.	
Current Consumption	3.5~30MHZ:10mA(typ), 15mA(max) 30.1~80MHZ:20mA(typ), 25mA(max) 80.1~120MHZ:24mA(typ), 30mA(max) 120.1~165MHZ:30mA(typ), 35mA(max)	
Spread Type	Total%	Down Spread
Spread Percentage	1.0%	-1.0% (D1.0)
	3.0%	-3.0% (D3.0)

Dimensions and Patterns [unit:mm]

Package Size – Dimensions (Unit: mm)	Recommended Land Pattern (Unit: mm)
5.0*3.2mm	7.0*5.0mm