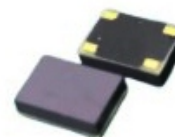


7.0×5.0 VCXO-2



APPLICATIONS

- GPS/HDTV
- Low-jitter RF communications
- Signal source for low phase noise

FEATURE

- Voltage Controlled Crystal Oscillator (VCXO)
- CMOS output
- High frequency: 80~156.52MHz
- Low phase noise
- Quick start



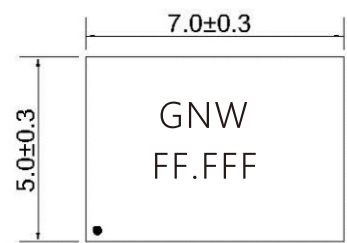
Electrical Specifications 电气参数

项目	Electrical Specifications				
频率范围	80MHz to 156.52MHz				
频率初始稳定度	≤±10ppm(25°C±3°C)				
工作温度	-40°C~+85°C				
频率温度稳定度	±15ppm				
工作电压	3.3V/5V				
消耗电流	20mA~30mA				
方波	高电平	≥2.4V			
	低电平	≤0.4V			
	占空比	45%~55%			
	上升沿/下降沿	3ns			
	负载	15pF			
相噪特性 @10M	-75 dBc/Hz	@10Hz,25°C			
	-110 dBc/Hz	@100Hz,25°C			
	-140 dBc/Hz	@1KHz,25°C			
	-158 dBc/Hz	@10KHz,25°C			
	-165 dBc/Hz	@100KHz,25°C			
相位抖动	20fs min.	@100MHz,12KHz~5MHz			
电源特性	≤±0.1ppm	@Vcc±5%			
负载特性	≤±0.2ppm	@Load±5%			
电压控制范围	0±3.3V				
频率牵引范围	±20ppm~±30ppm				
斜率	正斜率				
线性度	≤10%				
相位噪声@1KHz	频率范围	< -130dBc	< -135dBc	< -140dBc	★ 为可供货 ✕ 为不可供货
	80,100MHz	★	★	★	
	96,102.4,120,122.88,125MHz	★	★	✕	
老化率(首年)	≤±1ppm				
存储温度范围	-55°C~+125°C				

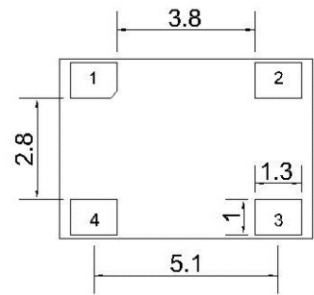
7.0×5.0 VCXO-2

Mechanical Dimensions 外型尺寸

Units:mm



Top View

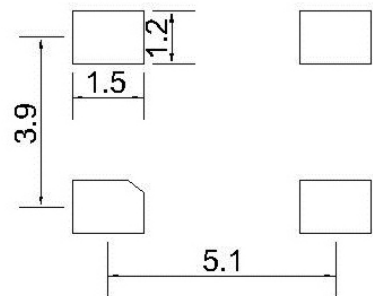


Bottom View

Pin	Function
#1	Control Voltage
#2	GND
#3	Output
#4	Power Supply



Side View



Land Pattern