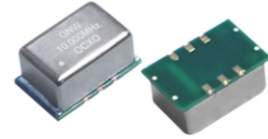


OCXO-9X



APPLICATIONS

- Time base
- Measuring equipment synthesizer
- Reference timing system

FEATURE

- SC-Cut based OCXO designs
- Supply voltage 3.3V
- Short warm-up time
- High precision and stability
- Low phase noise

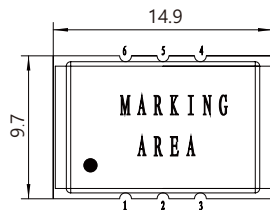


Electrical Specifications 电气参数

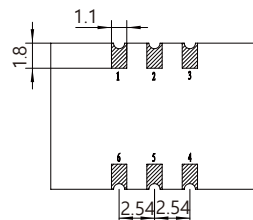
| Item/Type | Electrical Specifications | | |
|-------------------------------------|--|--------------|--------|
| Frequency Range | 2MHz to 100MHz | | |
| Frequency Accuracy | ±0.2ppm (center control voltage) | | |
| Operating Temperature Range | -20~+70°C, -40~+85°C | | |
| Frequency Stability vs. Temperature | ±10ppb Max. | | |
| Output Load | CMOS 15pF typ. | | |
| Short Term Stability | 1.0×10 ⁻¹¹ /s@10MHz | | |
| Supply Voltage | 3.3V±5% | | |
| Frequency Stability vs. Voltage | ±3ppb(VDD ±5%) | | |
| Frequency Stability vs. Load | ±3ppb(CL ±10%) | | |
| Supply Consumption | 2.5W (Max.) When warm-up;1W (Max.) at steady state | | |
| Warm-up Time | ±0.2ppm, <3min | | |
| Adjustable Frequency Range | ±0.7ppm | | |
| Control Voltage Range | 0~VDD | | |
| Slope | Positive | | |
| Linearity | 10% Max. | | |
| Phase Noise@10MHz | -120dBc/Hz | Offset 10Hz | @+25°C |
| | -140dBc/Hz | Offset 100Hz | |
| | -145dBc/Hz | Offset 1KHz | |
| | -150dBc/Hz | Offset 10KHz | |
| Aging | ±1ppb/day, first year ±100ppb, 10years ±0.5ppm | | |
| Storage Temperature Range | -40~+125°C | | |

Mechanical Dimensions 外型尺寸

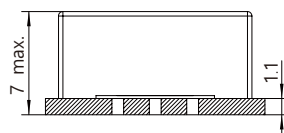
Units:mm



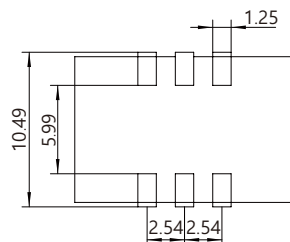
Top View



Bottom View



Side View



Land Pattern

| Pin | Function |
|-----|-----------------|
| #1 | Control Voltage |
| #2 | NC |
| #3 | GND |
| #4 | Output |
| #5 | NC |
| #6 | Power Supply |