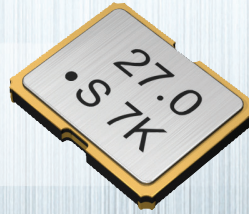


New Product

Voltage Controlled Crystal Oscillator

SCV-3225



● Applications

Digital TV-tuner • Digital Video • DVD • DSC • etc.

● Features

Small ceramic package, Size: 3.2×2.5×0.9 [mm]
Wide pulling range
Low current consumption
CMOS output with Tri-state function

▼ Specifications

| | | | | |
|--|------------------|---|--|--|
| Model | | SCV-3225 | | |
| Frequency range | | 1.5~54MHz | | |
| Nominal frequency | | 27.000, 54.000MHz | | |
| Storage temperature range | | -40~+85°C | | |
| Operating temperature range | | -20~+75°C | | |
| Frequency stability | | ±30×10 ⁻⁶ , ±50×10 ⁻⁶ | | |
| Power supply voltage(Vdd) | | +3.3V DC ±10% | +2.8V DC ±10% | +1.8V DC ±10% |
| External control function / External control voltage | | ±100×10 ⁻⁶ min. +1.65V±1.65V DC | ±90×10 ⁻⁶ min. +1.4V±1.4V DC | ±80×10 ⁻⁶ min. +0.9V±0.9V DC |
| Current consumption | | 13mA max. | 9mA max. | 3mA max. |
| Output | Load | CMOS(15pF) | | |
| | Level | V _{OL} :10%Vdd max. / V _{OH} :90%Vdd min. | | |
| | Rise & Fall time | 6ns max. / 0.1Vdd - 0.9Vdd | | |
| | Duty cycle | 40~60% at 1/2Vdd | | |
| Phase noise | | -130dBc/Hz max. at 1kHz offset | | |

Package quantity : 1,000pcs max./reel.

Please consult with us for more details. sales@siward.com.tw (Asia & Europe)
staff1@siward.co.jp (Japan)
siwusa@siward.com.tw (USA)

▼ Outline Dimensions [unit:mm]

| Terminal | Connection |
|----------|------------|
| #1 | Vcont |
| #2 | GND |
| #3 | OUTPUT |
| #4 | Vdd |

Example of a Terminal Land Pattern