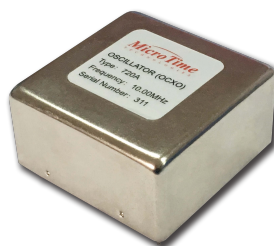


720A 10MHz OCXO

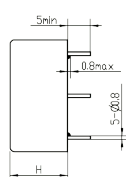
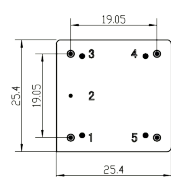


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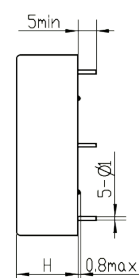
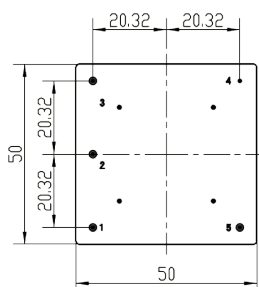
Technical Specifications

| | |
|--|--|
| Standard Frequency | 10MHz |
| | Option: 5MHz |
| Short-term stability | $\leq 1 \times 10^{-12}/1s$ |
| Phase Noise (at 10MHz, $\pm 2dBc/Hz$) | |
| 1 Hz | -110 |
| 10 Hz | -132 |
| 100 Hz | -145 |
| 1 kHz | -158 |
| 10 kHz | -160 |
| Aging (after 30 days of continuous operation) | $\leq 5 \times 10^{-10} / \text{day}$ |
| | $\leq 5 \times 10^{-9} / \text{month}$ |
| | $\leq 5 \times 10^{-8} / \text{year}$ |
| Input voltage range | 12VDC \pm 5% |
| | Option 05: 5VDC \pm 5% |
| Warm up time (at 25°C to 2×10^{-7}) | $\leq 5\text{min}$ |
| Output specifications | |
| Output Wave form | Sine wave |
| Output Power | 10 \pm 3dBm |
| Frequency stability vs Temperature (-20°C to 70°C) | $\leq 5 \times 10^{-8}$ |
| Frequency stability vs Voltage | $\leq \pm 5 \times 10^{-9}$ |
| Frequency stability vs Load | $\leq \pm 5 \times 10^{-9}$ |
| Harmonics | $\leq -30dBc$ |
| Spurious | $\leq -70dBc$ |
| Load | 50 Ω \pm 5% |
| Operating Temperature Range | -20°C to 70°C |
| Storage Temperature Range | -40°C to 85°C |
| Vibration | MIL-STD-202G |
| Frequency control | 0 ~ 5Volts ($\geq \pm 5 \times 10^{-7}$) |
| Size (L×W×H) | Option 25: 25.4×25.4×12.7mm |
| | Option 50: 50.8×50.8×19.05mm |

Outline drawing and Electrical connections (mm)



- 1.RF output
- 2.Ground
- 3.Control voltage
- 4.NC or V_{REF}
- 5.Voltage supply



- 1.Control voltage
- 2.NC or V_{REF}
- 3.RF output
- 4.Ground
- 5.Voltage supply

Ordering Information: 720A-xx-xx

Example: 720A-50-10MHz

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