Features and Benefits

Frequency range: 27.095MHz

Supply voltage: 5.0V Steady current: 25mA/Max Output waveform: Sinewave

Frequency stability vs. operating temperature: ±2.0ppm

Aging: ±1.0ppm/year

Operating temperature: -40°C to +85°C

Size: 20x13x7.5mm

Typical Applications

UHF Synthesizers SATCOM System Portable Microwave Applications

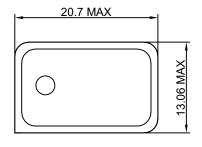
Description

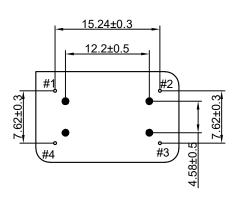
TCXO2013BE-27.095MHz-A offers wide temperature operation from -40°C to +85°C with outstanding frequency stability performance.

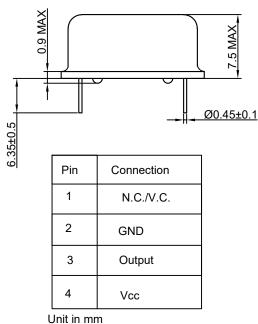
Mechanical Drawing & Pin Connections

Drawing No:

MD240021-1







Unit in mm 1mm = 0.0394 inches



Dynamic Engineers Inc.

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TCXO2013BE-27.095MHz-A Pã @Ácæàáãő ÁG ÈEJÍ TP: ÁJĀ^, æç^ÁVÔÝUÁÁ

Specifications

| Oscillator Specification | | Come | Condition | | Value | | | Note | |
|-----------------------------|-----------------|----------------------------------|----------------------------------|------|--------|------|------|------|--|
| | | Sym | | Min. | Typ. | Max. | Unit | Note | |
| Operational Frequency | | F _{nom} | | | 27.095 | | MHz | | |
| Sinewave | Output power | | | | +5 | | dBm | | |
| | Output Load | | | | 50 | | ohm | | |
| Power Supply | | | | | | | | | |
| Voltage | | V _{cc} | ±5% | | 5.0 | | V | | |
| Current Consumption | | | | | | 25 | mA | | |
| Frequency | Stability | | | | | | | | |
| Versus temperature | | | -40°C to +85°C | | | ±2.0 | ppm | | |
| Versus voltage | | | ±5% | | | ±0.2 | ppm | | |
| Versus load | | | ±5% | | | ±0.2 | ppm | | |
| Aging per year | | | | | | ±1.0 | ppm | | |
| Frequency Adjustment | | | By internal trimmer | ±3.0 | | | ppm | | |
| Tolerance@25°C | | | | | | ±1.0 | ppm | | |
| Environme | ntal Conditions | | | | | | | | |
| Operating temperature range | | -40°C to +85°C | | | | | | | |
| Storage temperature range | | -45°C to +90°C | | | | | | | |
| Vibration | | MIL-STD-202, Method 204, Cond. D | | | | | | | |
| Shock | | MIL-STD- | MIL-STD-202, Method 213, Cond. I | | | | | | |