

Voltage Controlled Crystal Oscillator

- 13.85x8.6x5.0mm SMD package
- Up to 160 MHz or higher upon request.
- TTL/CMOS or Sine wave output
- Metal cover, FR-4 PCB based.
- Broad range of Pullability specifications

VO403

Specifications:

Frequency Range: 1.5 MHz ~ 160 MHz

Operating Temperature:

| | |
|---------------|-----|
| -10°C ~ +60°C | - B |
| -20°C ~ +70°C | - C |
| -30°C ~ +80°C | - D |
| -40°C ~ +85°C | - L |

Storage Temperature: -40°C ~ +125°C

Stability Vs. Temperature:

| | |
|-------------|------|
| ± 25ppm max | - 25 |
| ± 30ppm max | - 30 |
| ± 50ppm max | - 50 |

Vs. Input Voltage: ± 5ppm ± 5%

Pulling Range: ± 100 ppm - Standard

Control Voltage: 0.5V to 4.5V (VDD=5V)
0.3V to 3.0V (VDD=3.3V)

Output Waveform

| | |
|------------------|-----|
| TTL/50±5% | - A |
| HCMOS/15pF/50±5% | - J |
| HCMOS/50pF/50±5% | - F |

Rise/Fall Time

| | |
|--------------------------|--|
| 8ns max (2MHz ~ 20MHz) | |
| 5ns max (20MHz ~ 60MHz) | |
| 3ns max (60MHz ~ 160MHz) | |

Current Consumption: (max)

| | | |
|----------------|-----------|-----------|
| | VDD: 5.0V | VDD: 3.3V |
| 1.5MHz ~ 20MHz | 30mA | 20mA |
| 20MHz ~ 60MHz | 40mA | 30mA |
| 60MHz ~ 160MHz | 50mA | 30mA |

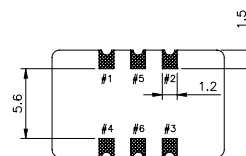
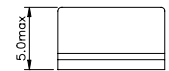
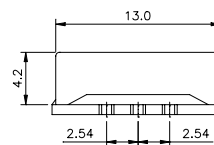
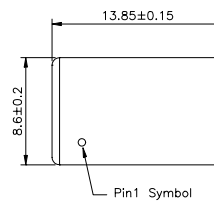
Supply Voltage:

| | |
|------------|------------|
| 3.3V ± 10% | - Standard |
| 5.0V ± 10% | - P |

Note:

1. Other frequencies, stabilities, and operating temperature ranges available. Consult VTC Support for specific requirements.
2. Not all combinations of the above, stabilities, and temperature ranges are available. Consult VTC Support if your requirement is not standard.
3. All specifications subject to change without notice.

VO-K



| Pin | Configurations |
|-----|----------------|
| #1 | Vcon |
| #2 | Ground |
| #3 | Output |
| #4 | Supply VDD |
| #5 | Tri-State |
| #6 | NC |

All dimensions are in mm

Ordering Information

Product name + Temperature Code + Stability + Output Code + Pulling Range + VDD Code + Frequency.

i.e. VO403C25FP – 155.520MHz