

VPC1 7.5 x 5 mm Crystal Oscillators

Featuring

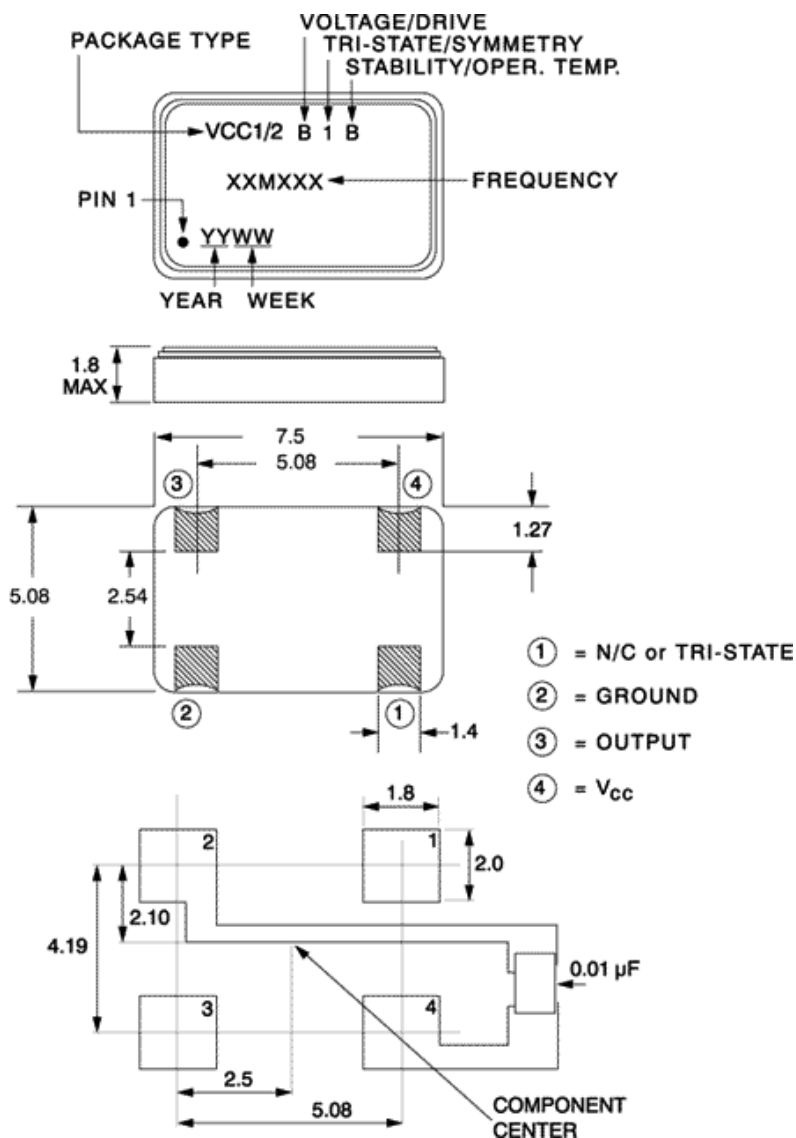
- Quick delivery
- Wide output frequency range up to 160 MHz
- Stabilities of ± 25 , ± 50 , ± 100 PPM
- 3.3 or 5.0 Vdc Option
- HCMOS/TTL Compatible



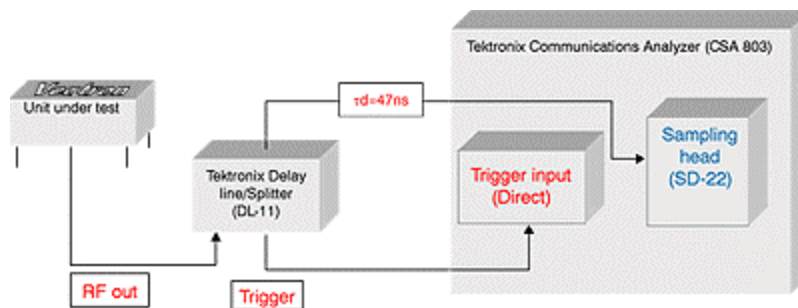
Frequency Range	1.544 MHz to 160 MHz (Up to 125 MHz for 3.3Vdc)
Package Options	C1 = 7.5 x 5 x 1.8 mm tall 4 pads
Voltage Options/ Load Drive	A = +5.0 Vdc $\pm 10\%$ 15pF B = +3.3 Vdc $\pm 10\%$ 15pF E = +5.0 Vdc $\pm 10\%$ 50pF (≤ 66 MHz) F = +3.3 Vdc $\pm 10\%$ 50pF (≤ 66 MHz Non Standard)
Electrical Options	1 = Tristate 60/40 Symmetry 3 = Tristate 55/45 Symmetry (Non Standard)
Tristate	N/C = OUTPUT Logic 1 = OUTPUT Logic 0 = High Impedance
Stability Options	A = ± 100 PPM 0°C to $+70^{\circ}\text{C}$ B = ± 50 PPM 0°C to $+70^{\circ}\text{C}$ C = ± 100 PPM -40°C to $+85^{\circ}\text{C}$ D = ± 50 PPM -40°C to $+85^{\circ}\text{C}$ (Non Standard) E = ± 25 PPM 0°C to $+70^{\circ}\text{C}$ (Non Standard) F = ± 25 PPM -40°C to $+85^{\circ}\text{C}$ (Non Standard)
Start-Up	10 ms Maximum
Standard Load	HCMOS/TTL
Total Jitter	250 ps peak to peak
Standard Packaging	Bulk
Typical P/N	VPC1-B1B-40M000 C1 = 7.5 x 5 x 1.8 mm tall 4 pads B = +3.3 Vdc $\pm 10\%$ 15pF 1 = Tristate 60/40 Symmetry B = ± 50 PPM 0°C to $+70^{\circ}\text{C}$

1. As measured in a test circuit below .

2. Non Standard items may have limited frequency availability and most likely slightly longer lead times.



Dimensions in Millimeters



Jitter Test Circuit