

VPB1 Half Size Dip Crystal Oscillators

Featuring

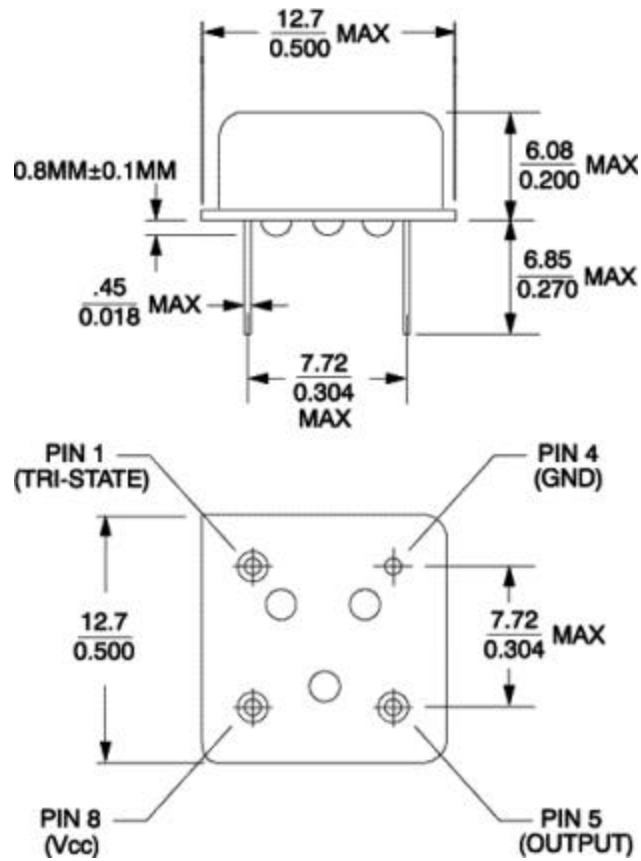
- Quick delivery
- Wide output frequency range up to 125 MHz
- Stabilities of ± 50 , ± 100 PPM
- 3.3 or 5.0 Vdc Option
- HCMOS/TTL Compatible



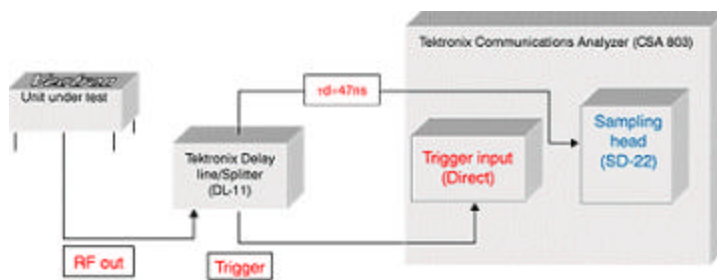
Frequency Range	1.544 MHz to 125 MHz
Package Options	B1 = 0.5" x 0.5" x 0.2" Half Size DIP
Voltage Options/ Load Drive	A = +5.0 Vdc $\pm 10\%$ 15pF B = +3.3 Vdc $\pm 10\%$ 15pF E = +5.0 Vdc $\pm 10\%$ 50pF (≤ 66 MHz)
Electrical Options	1 = Tristate 60/40 Symmetry 3 = Tristate 55/45 Symmetry (Non Standard)
Tristate	N/C = OUTPUT Logic 1 = OUTPUT Logic 0 = High Impedance
Stability Options	A = ± 100 PPM 0°C to +70°C B = ± 50 PPM 0°C to +70°C C = ± 100 PPM -40°C to +85°C D = ± 50 PPM -40°C to +85°C
Start-Up	10 ms Maximum
Standard Load	HCMOS/TTL
Total Jitter¹	50 ps peak to peak Maximum
Standard Packaging	Anti Static Tubes
Typical P/N	VPB1-B1B-40M000 A1 = 0.8" x 0.5" x 0.2" 14 pin DIP B = +3.3 Vdc $\pm 10\%$ 15pF 1 = Tristate 60/40 Symmetry B = ± 50 PPM 0°C to +70°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 mm
in



Jitter Test Circuit