



## VTD3 Series

### Featuring

- HCMOS in Low Profile Surface Mount
- Tape and Reel
- Reflow Solderable
- Low Cost
- < 2.0 mm Tall

**Frequency Range:** 10 MHz to 50 MHz

**Standard Frequency:** 11, 12.8, 13, 14.4, 15.36, 16.8, 19.2, 19.44, 19.68, 19.8, 20, 40, 44, 50 M Hz

**Input Voltage:** H = 5.0 V HCMOS

J = 3.3 V HCMOS

**Pulling Range:**

- 0 = TCXO
- 1 =  $\pm 5$  ppm
- 2 =  $\pm 8$  ppm
- 3 =  $\pm 10$  ppm
- 4 =  $\pm 15$  ppm

**Stability:**

- 1 =  $\pm 1$  ppm
- B =  $\pm 1.5$  ppm
- 2 =  $\pm 2$  ppm
- C =  $\pm 2.5$  ppm
- 3 =  $\pm 3$  ppm
- 4 =  $\pm 4$  ppm
- 5 =  $\pm 5$  ppm

**Temperature Range:**

- A = 0 to 55°C
- B = -10 to 60°C
- C = -20 to 70°C
- D = -30 to 75°C
- E = -40 to 85°C

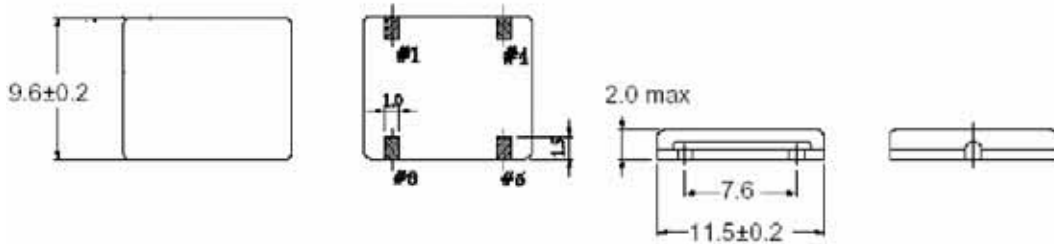
	1	B	2	C	3	4	5
A	x	x	x	x	x	x	x
B	x	x	x	x	x	x	x
C	x	x	x	x	x	x	x
D					x	x	x
E							x

**Stability vs. Supply:**  $\pm 0.3$  ppm max. vs.  $V_{dd} \pm 5\%$

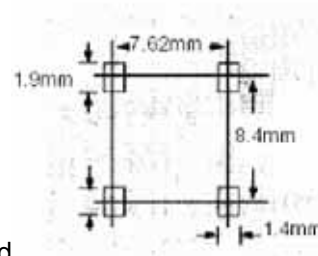
**Aging (typical):**  $< 1.0$  ppm/year

**Current:** 15 mA max.

**Phase Noise:** 10 Hz: -90 dBc/Hz, 100 Hz: -120 dBc/Hz,  
(Typical) 1 KHz: -140 dBc/Hz, 10 KHz: -143 dBc/Hz



**UNIT: mm**



**Pin 1:** Vcont/NC, **Pin 4:** GND, **Pin 5:** Output, **Pin 8:** Vdd