

VC-TCXO

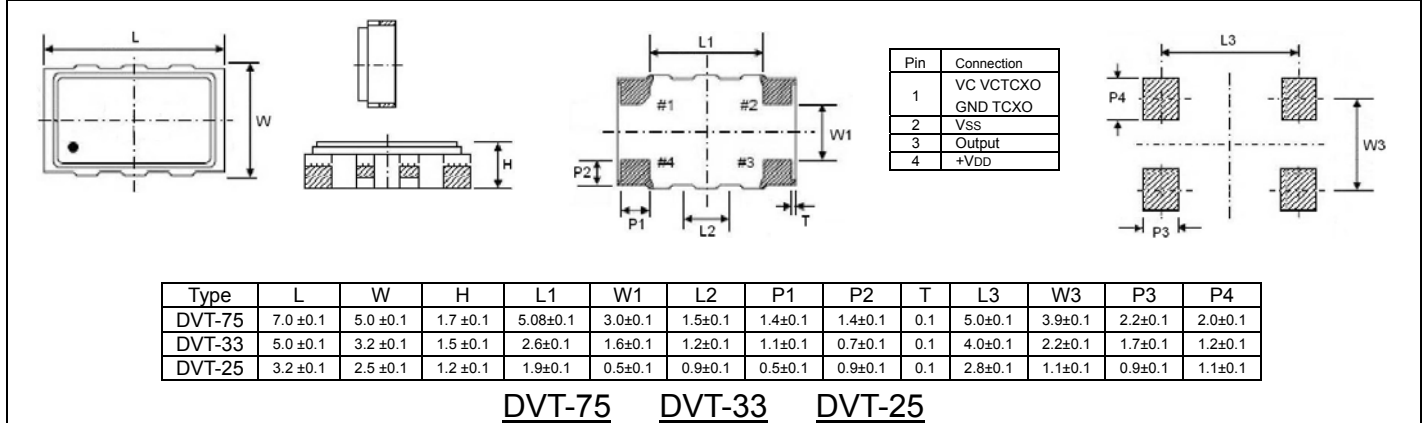
Ceramic Case SMD DVT-75, DVT-33, DVT-25

Feature & Applications:

- Precise SEAM seal ceramic package
- Very small size
- Sine Wave output
- 2.8~5.0V supply voltage
- GSM, GPS

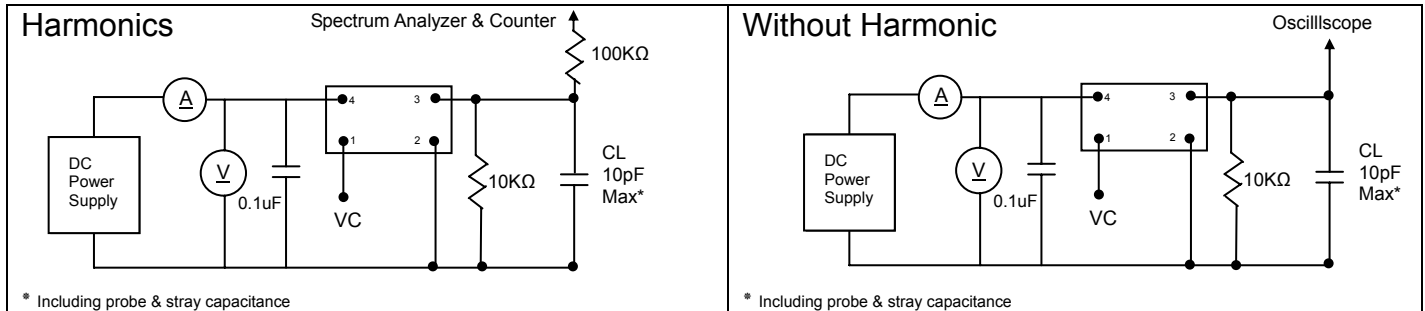
Outline Drawing

Dimension (Unit:mm)



DVT-75 DVT-33 DVT-25

Test Circuit



General Characteristics

Parameter	Case	DVT-75	DVT-33	DVT-25
Frequency Range		10.000 ~ 30.000 MHz		
Frequency Tolerance		± 1.5 ppm		
Frequency Stability		± 2.5 ppm (-30°C to +80°C)		
Load Stability		±0.2 ppm (@10pF ±0.1pF)		
Voltage Stability		+2/-0.2 ppm (@+2.8V ±0.1V)		
Storage Temperature		-40°C to +85°C		
Supply Voltage		+2.8V ~ +5.0V ±10%		
Supply Current		2.0mA max		
Output Voltage		0.8Vp-p min.		
Output Load		10KΩ // 10pF		
Waveform		Sine Wave		
Voltage Control		1.4V ±1.0V		
Frequency Tuning Range		± 8ppm min (Positive)		
Start up Time		10mS max		
Phase Noise		-130dBc/Hz typically (@1KHz)		

Part Number Guide:

DVT	-	33	-	7	-	13.0	-	2.5C	-	2.8	-	N
SMD		Case		Output		Frequency		Freq. Stability		Input Voltage		Options
VC-TCXO		5x3.2mm		7=Sinewave		13.0MHz		2.5C = ±2.5ppm @-30~+80°C		2.8 = +2.8V 3.3 = +3.3V		N = No

Other combination is available