

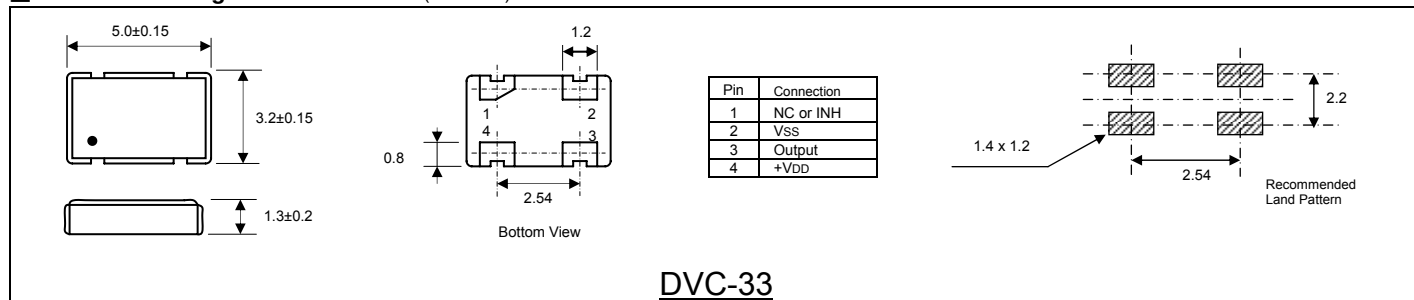
Voltage Controlled Crystal Oscillator VCXO

Feature & Applications: SMD DVC-33

- HCMOS/TTL compatible
- 3.3V or 5.0 VDC supply voltage
- 4 pad Flat-IC foot-print
- SMD Thin Package

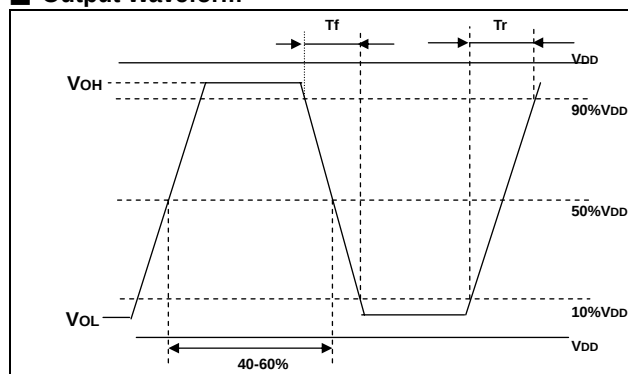
Outline Drawing

Dimension (Unit:mm)

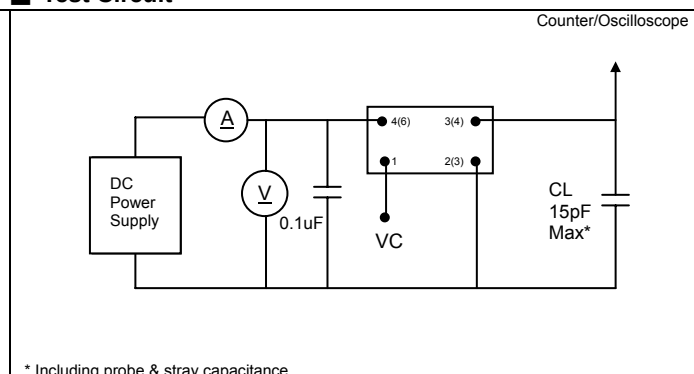


DVC-33

Output Waveform



Test Circuit



General Characteristics

Parameter	Model	DVC-33	3.3V	DVC-33	5.0V
Frequency Range		8.0 MHz to 40 MHz			
Frequency Tolerance		± 50 ppm, ± 100 ppm			
Operating Temperature		0°C to +70°C			
Storage Temperature		-40°C to +85°C			
Supply Voltage		+3.3V ±10%		+5.0V ±10%	
Voltage Control		+1.65V ±1.35V		+2.5V ±2.0V	
Pulling Range		± 200, 150, 100, 50 ppm (option)			
Linearity		± 10%			
Supply Current		25mA max (1.544 to 23.999MHz) 60mA max (45 to 69.999MHz)		30mA max (24 to 44.999MHz) 80mA max (70 to 120MHz)	
Symmetry (Duty Cycle)		40% to 60 % (standard), 45% to 55% (tight) at 1/2VDD			
Output '0' Level (V _{OL})		+0.3V max		+0.5V max	
Output '1' Level (V _{OH})		+3.0V min		+4.5V min	
Rise/Fall Time (+0.3↔+3.0VDD)		10nS max			
Start up Time		10mS max			
Output Load		15pF		15pF or 2TTL	

Part Number Guide:

DVC	-	33	-	2	-	27.000	-	100	-	S	-	5.0	-	100	-	N
VCXO		Case		2=HCMOS		Frequency		Freq. Tol		Symmetry		Input Voltage		Pull Range		Options
SMD		33 = 5x3.2 4P				27.000MHz		100 = ± 100 ppm		S = 40~60% T = 45~55%		5.0 = +5.0V 3.3 = +3.3V		100= ± 100 ppm 050= ± 50 ppm		N = No

Other combination is available