

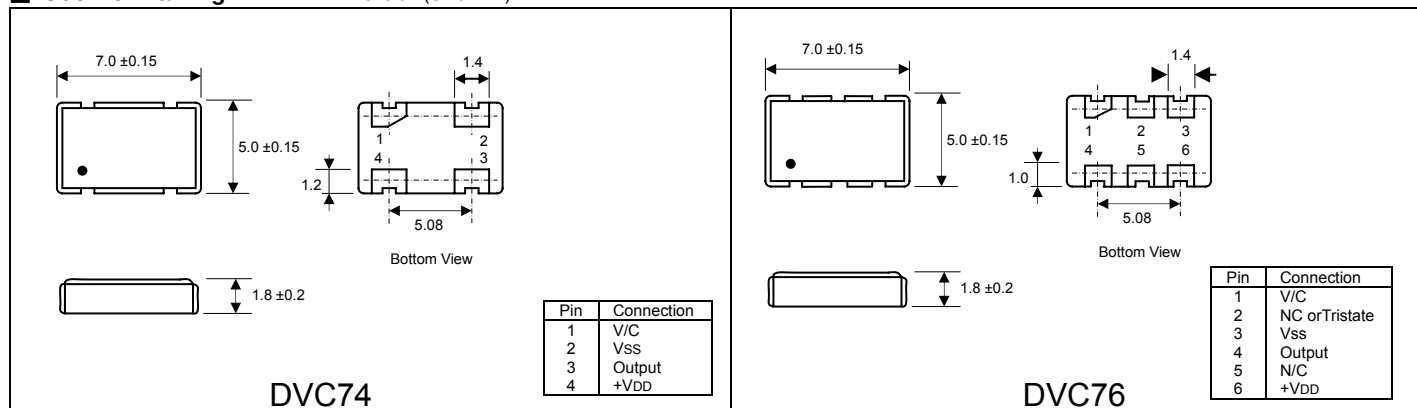
Voltage Controlled Crystal Oscillator VCXO

Feature & Applications: SMD DVC-74/DVC-76

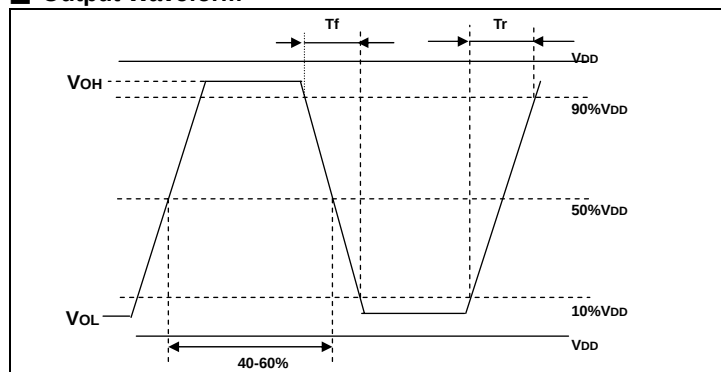
- HCMOS/TTL compatible
- 3.3V or 5.0 VDC supply voltage
- 4 and 6 pad Flat-IC foot-print
- SMD Thin Package

Outline Drawing

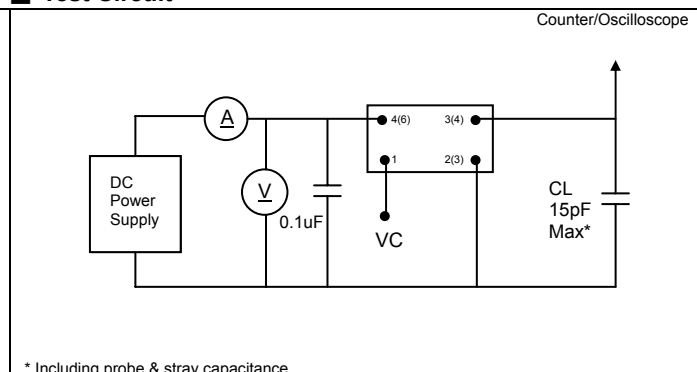
Dimension (Unit:mm)



Output Waveform



Test Circuit



General Characteristics

Parameter	Model	DVC74	DVC76	3.3V	DVC74	DVC76	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)		30mA max (24 to 44.999MHz)			
		60mA max (45 to 69.999MHz)		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	-	74	-	2	-	27.000	-	100	-	S	-	5.0	-	100	-	N
VCXO		Case		2=HCMOS		Frequency		Freq. Tol		Symmetry		Input Voltage		Pull Range		Options
SMD		74 = 7x5 4P				27.000MHz		100 = ±100ppm		S = 40~60%		5.0 = +5.0V		100=±100ppm		N = No
		76 = 7x5 6P								T = 45~55%		3.3 = +3.3V		050=±50ppm		