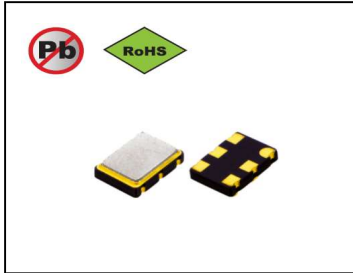


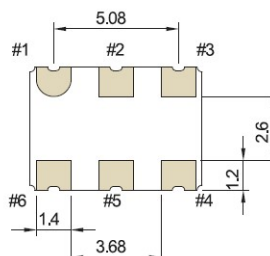
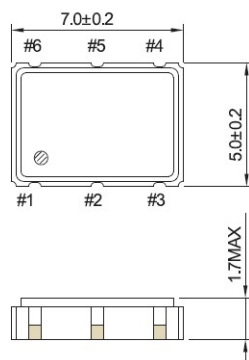
KVS7**SMD VCXO****■ HCMOS VCXO 6PAD 7.0x5.0**

- Miniature Ceramic Surface Mount package
- Wide pulling range and Low phase noise
- Fundamental crystal design

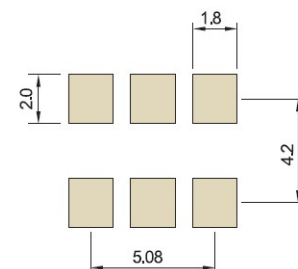
- Applications : Telecommunications, Network equipment

■ Standard Specification

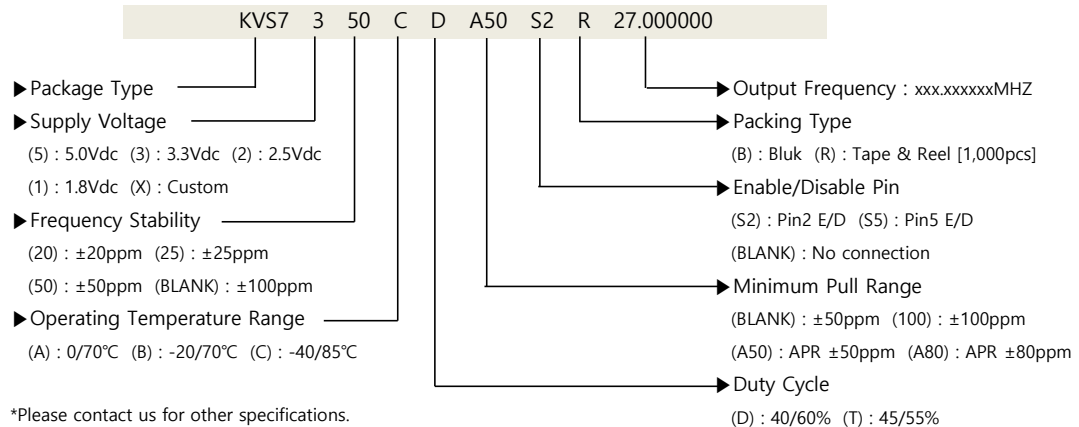
Frequency range		4MHz to 54MHz	1MHz to 170MHz	1MHz to 100MHz
Supply voltage		1.8V to 2.5V	3.3V	5.0V
Pin1 Control Voltage		1.25V±1.05V(2.5V)	1.65V±1.35V	2.5V±2.0V
Frequency Pull Range		±50ppm Min or please specify		
Linearity		10% Max		
Frequency slope		Positive		
Current consumption		35mA Max or please specify		
Frequency Stability		±25ppm, ±50ppm, ±100ppm		
Operating Temperature Range		-20 to 70°C, -40 to 85°C		
Storage Temperature Range		-55 to 125°C		
Output load condition		CMOS 15pF		
Symmertry (Duty)		50% ±10%		
Output rise and fall time (Tr /Tf)		10ns Max		
Output high level		90% Vdd Min		
Output low level		10% Vdd Max		
Pin 2/5	Enable input voltage	70% Vdd Min or N.C		
Function	Disable input voltage			
		30% Vdd Max		
Oscillation start up time		5ms Max		
Aging (Initial first year)		± 3ppm Max		
Phase jitter (12KHz ~ 20MHz)		1.0ps RMS Max or please specify		
Period jitter (pk-pk)		25ps Max		
Modulation band width		15KHz Min (at - 3dB)		

■ Dimensions (mm)

CONNECTION
 #1 V.C
 #2 Tri-State or N.C
 #3 GND
 #4 OUTPUT
 #5 Tri-State or N.C
 #6 Vdd

• Recommended Soldering Pattern

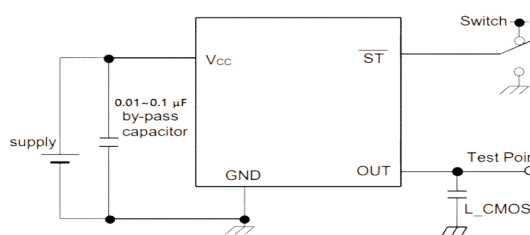
Part Numbering Guide



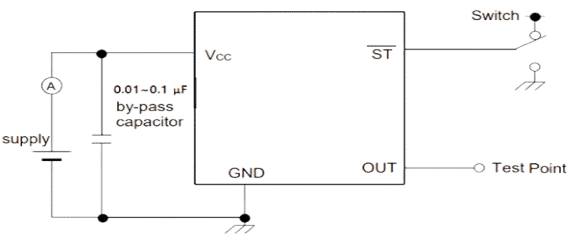
*Please contact us for other specifications.

Test Circuit Information

Waveform Observation

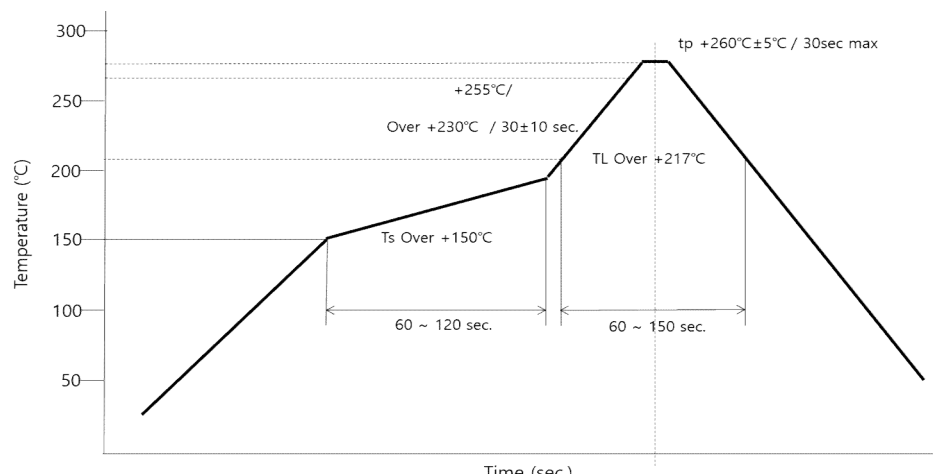


Current Consumption Test



*Standby current test should be $\overline{ST}$ = GND.

Recommendation reflow condition



- (1) Reflow soldering heat resistance
 Peak Temp. : 265°C, 30sec max.
 Heating : 230°C or higher, 40sec.
 Preheating : 150~180°C, 120sec.
 Reflow passage times : 2 times

- (2) Manual soldering heat resistance
 Pressing a soldering iron of 350°C on the terminal electrode
 Soldering touch time : 4sec.
 Manual soldering times : 2 times