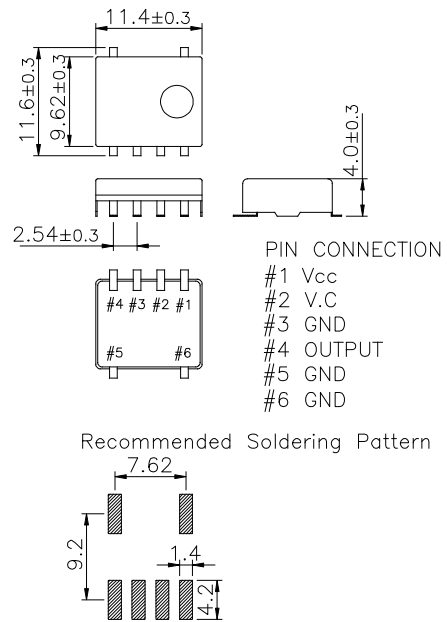


TCXO119KPH6

11x9x4.0 mm SMD, HCMOS, 6-pad with trimmer

Mechanical Drawing and PIN Connections



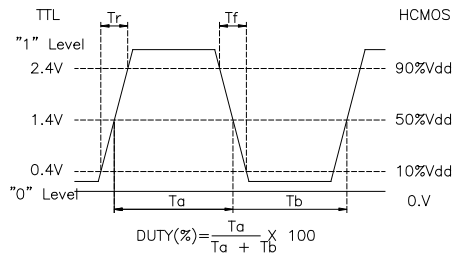
Specification

ELECTRICAL SPECIFICATION			
Frequency range		1.250MHz to 50.000MHz	
Frequency Stability vs. Temperature vs. Supply Voltage vs. Load vs. Aging		±0.5 ppm to ±5.0ppm ±0.1 / ±0.3 ppm max / Vdd ± 5% ±0.2 ppm max /15pF ±10% ±1.0 ppm max/ year	
Temperature Range Operating Storage		See Table 2 -55℃ to 125℃	
Supply Voltage		3.3V ± 5% 5.0V ± 5%	
Input Current 3.3 V , 5V		1.250MHz ~ 50.000MHz 15mA max ~ 40mA max	
Output characteristics		HCMOS TTL Logic “1” 90% Vdd min 2.4V min Logic “1” 10% Vdd max 0.4V min Load 15pF 10TTL Duty Cycle 40/60 40/60 Rise & Fall 10nS max 10nS max	
Phase Noise (typical) 20MHz offset		-80 dBc / Hz @ 10Hz -120 dBc / Hz @ 100Hz -135 dBc / Hz @ 1KHz -140 dBc / Hz @ 10KHz -145 dBc / Hz @100KHz	
Frequency Adjustment		±3ppm min by internal trimmer	
Voltage Control Characteristics			
Output Pulling Range (ΔF/ΔV) Control Voltage Range		±5.0ppm or ±10ppm min (ΔF/ΔV >±20ppm is available, please contact us) 1.65V ± 1.5V (Vdd : 3.3V) , 2.5V ± 2.0V (Vdd : 5.0V)	
ENVIROMENTAL & MECHANICAL SPECIFICATION			
Shock Vibration Solderability Seal integrity Marking		MIL-STD-883C, Method 2002, Condition B MIL-STD-883C, Method 2007, Condition A MIL-STD-883C, Method 2003 MIL-STD-883C, Method 1014, Condition C & A2 MIL-STD-202F, Method 215	
TABLE1		TABLE2	
Symbol	Stability	Symbol	Temp.
05	±0.5ppm	0	0℃
10	±1.0ppm	1	-10℃
15	±1.5ppm	2	-20℃
20	±2.0ppm	3	-30℃
25	±2.5ppm	4	-40℃
30	±3.0ppm		
35	±3.5ppm	F	85℃
50	+5.0ppm		

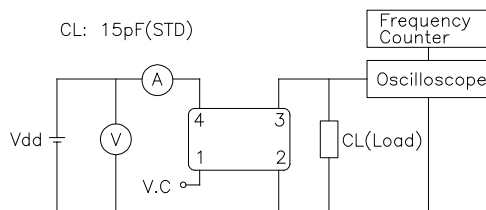
TCXO119KPH6

11x9x4.0 mm SMD, HCMOS, 6-pad with trimmer

Output Waveform



Test Circuit



Ordering Information

TCXO119KPH6-T-5-xx-yy-5-zz.zzz MHz

The " H " stands for HCMOS and is not selected by the customer for this model

The " 6 " stands for 6-pads

The " T " stands for trimmer mechanical frequency adjust and is NOT selected by the customer for this model

5 or 3 : Stands for 5V or 3.3V

xx : can be based on 2-digit code from Table 1

yy : based on codes in Table 2

5 : means +/- 5 ppm min electronic frequency adjust ; 10 : means +/- 10 ppm min. electronic frequency adjust ;

20 : means +/- 20 ppm min □ □ □ □

zz.zzz : is the operating frequency in MHz