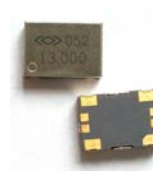




Temperature Compensated Crystal Oscillators Type—T75A/T75B



T75A



T75B

SPECIFICATIONS:

Frequency Range	10.000MHz~36.000MHz	
Operating Temperature	-10°C-60°C (Standard)	
Storage Temperature	-55°C~+125°C	
Frequency Stability	See Order Option	
Pulling Range	See Order Option	
Frequency Stability (Max):		
Vs Supply Voltage (±5%) change	±0.2ppm	
Vs Load (±10%) change	±0.2ppm	
Vs Aging(/year)	±1.0ppm	
Supply Voltage (±5%VDD)	5.0V	2.8V
Supply Current (mA max):		
10.000MHz≤F<15.000MHz	1.5	
15.000MHz≤F<25.000MHz	2.0	
25.000MHz≤F≤36.000MHz	2.5	
Output Level (Clipped sine)	0.8V _{P-P} Min	
Load	10K Ω //10pF	
Start up time	2 ms (Max)	
Phase Noise @ 13.0MHz:		
100Hz	-110 dBc/Hz	
1KHz	-130 dBc/Hz	
10KHz	-135 dBc/Hz	

Frequency Stability vs Temperature Range

Stability (ppm) Temper.(°C)	±1.0 ppm	±1.5 ppm	±2.0 ppm	±2.5 ppm	±3.0 ppm
A0= 0~+50	○	○	○	○	○
A07= 0~+70	○	○	○	○	○
A1= -10~+60	○	○	○	○	○
A2= -20~+70	○	○	○	○	○
A3= -30~+75	※	○	○	○	○
A4= -40~+85	※	○	○	○	○

○: Available ※: Available case by case —: Not available



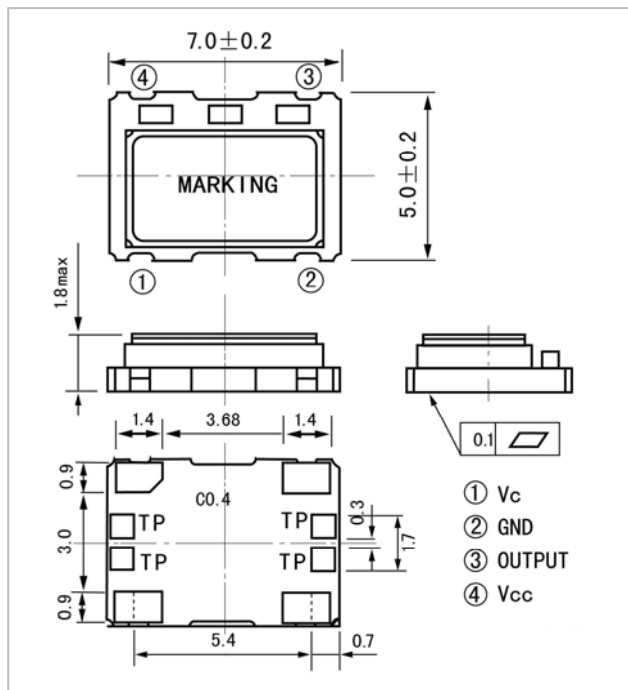
ORDER OPTIONS:

Type	Frequency (MHz)	Supply Voltage (V)	Pulling range (ppm)	Freq. Stability (ppm)	Operating Temp. (°C)	Output Logic and Symmetry
T75A	XX.XXX	V5 = 5.0±5%VDD V2 = 2.8±5%VDD V3 = 3.3±5%VDD	±5	±0.5	A0 = 0~55 A1 = -10~+60 A2 = -20~+70 A3 = -30~+75 A4 = -40~+85	CS=Clipped Sine Wave @10KΩ/10pF
VT75A			±8	±1.0		
T75B			±10	±1.5		
VT75B			±12	±2.0		
			±15	±2.5		
	±20	±3.0				
	±25	±3.5				
	Blank = TCXO		±4.0	±5.0		

i.e.: T75A-12.8V5-1.5/A2-CS → TCXO 7*5, A type, 12.8MHz, 5V, Freq. Stability=1.5ppm, -20~+70°C, Clipped Sine
 VT75A-14.4V5-30-2.0/A1-CS → VCTCXO 7*5, A type, 14.4MHz, 5V, Pulling range=30ppm, Freq. Stability=2.0ppm,
 Clipped Sine Wave

OUTLINE DRAWING:

T75A



T75B

