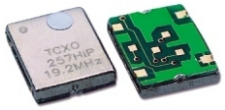
I Type VCTCXO

ROHS Compliant Standard

VCTCXO

FEATURE

1、11.5×9.6×2.0 mm.
2、Mini size.
3、SMD(LCC).
4、LOW current.



Numbering system

T I □ □ □ □ □ S

Supply Voltage
C:5.0V
E:3.3V

Output Waveform/Fanout
S:Clipped sine wave/10Kohms//10pF

Pulling Range

	±5ppm	±8ppm	±10ppm
2.5V±2V	A	B	C
1.65V±1.5V	F	-	-
1.5V±1V	K	-	-

T:TCXO

Temperature Range

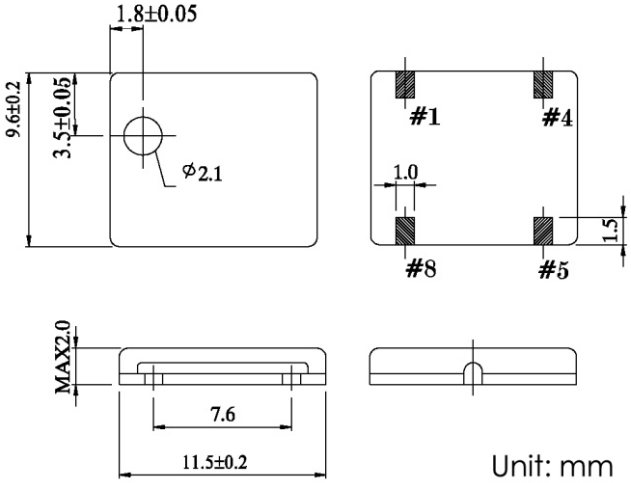
C:-10℃ to +60℃ E:-20℃ to +70℃
I:-0℃ to +70℃ U:-40℃ to +85℃
W:0℃ to +55℃ H:-30℃ to +75℃

Frequency Stability

A:±0.5ppm B:±1.0ppm P:±1.5ppm C:±2.0ppm
D:±2.5ppm E:±3.0ppm F:±4.0ppm G:±5.0ppm

SPECIFICATION

Frequency Range		10～20MHz
Available Frequency		11, 14.4, 16.367, 19.44, 19.68, 20MHz
Temperature Range		-40℃ to +85℃
Frequency Stability	VS temperature	±2.5PPM
	VS aging	±1.0ppm max./year
	Vspower supply	+0.2ppm vs VDD+/-5%
Power supply		+2.8V～+5.0V
Supply current		2.0mA max
Output	Fanout	10K Ohms//10pF
	Level	1.0Vp-p min(clipped sine)
Trimmering Range(optional)		±3.0ppm min
Phasa noise		100Hz, -110dBC/Hz, 1KHz; -125dBc/Hz, 10KHz, -130dBc/Hz
Start Time		8.0ms max.
Pulling (optional)		±3.0～±10.0ppm, positive slope
Dimension LxWxHt		11.5×9.6×2.0(mm)



FBEQ. STABILITY VS. TEMP. PANGE

Temp(. c)		PPM	A:±0.5	B:±1.0	P:±1.5	C:±2.0	D:±2.5	E:±3.0	F:±4.0	G:±5.0
C	-10～+60		-	○	○	○	○	○	○	○
E	-20～+70		-	○	○	○	○	○	○	○
I	0～+70		-	○	○	○	○	○	○	○
U	-40～+85		-	-	-	-	-	-	-	○
W	0～+55		○	○	○	○	○	○	○	○
H	-30～+75		-	-	-	-	○	○	○	○

○:Standard △:Available(case by case)×:Not available

PIN	FUNCTION
#1	VC/NC
#4	GND
#5	OUTPUT
#8	VDD