

F Type VCTCXO

ROHS Compliant Standard



FEATURE

1. 20.4×12.8×7.8 mm Standard package.
2. Case ground for minimizing RF radiation.
3. Compatible with 14-pin dual in line.
4. Hermetically sealed metal case and high reliability.
5. Could supply Gull-wings for SMT.

Specification



Supply Voltage	
T: 5.0V	G: 5.0V Gull Wing
E: 3.3V	F: 5.0V Gull Wing

Output Waveform/Fanout/Symmetry
S: Clipped sine wave/10Kohms//10pF
B: TTL/10LSTTL/50±10%
J: CMOS/15pF/50±10%

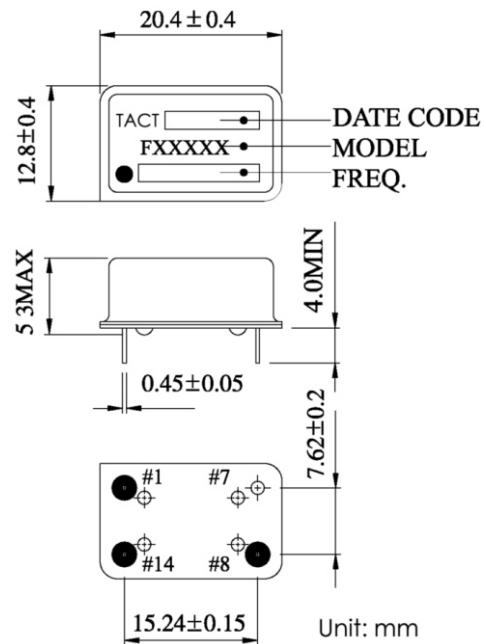
Pulling Range					
	±5ppm	±8ppm	±10ppm	±12ppm	±15ppm
2.5V±2V	A	B	C	D	E
1.65V±1.5V	F	G	H	I	J
1.5V±1V	K	L	M	N	O
T: TCXO					

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

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

Standard Frequency (MHz)	Clipped sine wave: 9.6MHz~30MHz
	TTL/CMOS: 1.5MHz~30MHz
Operating Temp. range (°C)	Refer to Numbering System
Frequency Stability	Refer to Numbering System
Supply Current (mA) max.	
Clipped sine wave	
9.6MHz ≤ F ₀ < 20MHz	2.0
20MHz ≤ F ₀ < 30MHz	2.5
TTL/CMOS	
1.5MHz ≤ F ₀ < 20MHz	20
20MHz ≤ F ₀ < 30MHz	25
Rise/Fall Time +(ns) max	
TTL/CMOS	5
Phasa noise	
100Hz	-110dBc/Hz
1KHz	-135dBc/Hz
100KHz	-145dBc/Hz
Operatable Temp. Range (°C)	-40~+85



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	VCON
#7	GND
#8	O/P
#14	VDD

VCTCXO