



Features

- Compatible with 14-Pin dual in line.
- 5V / 3.3V operating voltage.
- HCMOS or Clipped Sine Wave output.
- Double sealed metal case and high reliability.
- Applications: Telecommunications, Mobile communications, Avionics, Test equipments, Electronic instruments, etc.
- VC-TCXO available.



Electrical Specifications

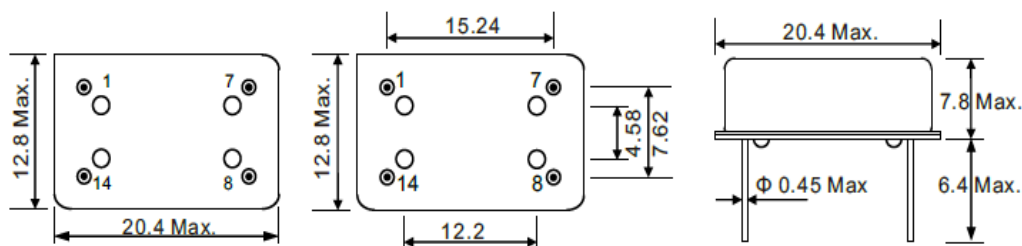
Type		THRU-HOLE TCXO	
Output Type		HCMOS	Clipped Sine Wave
Output Load		15pF	10kΩ //10pF
Output Level		0.8 Vp-p	
Supply Voltage		3.3V /5.0V	
Frequency Range		10MHz ~ 40MHz	
Frequency Tolerance		±2.0ppm	
Operating Temperature Range		-20~+70°C, -40~+85°C, or specify	
Storage Temperature Range		-55~+125°C	
Supply Current			2.0mA Max.
Frequency Stability	Vs. Supply Voltage(±5%) Change	±0.2ppm Max.	
	Vs. Load(±10%) Change	±0.2ppm Max.	
	Vs. Aging (@ 1st year)	±1.0ppm Max.	
Pulling Range (VC-TCXO)			±5.0ppm Min.
Control Voltage Range (VC-TCXO)			0.5~2.5V
Start-up Time		2ms Max.	
VC input Impedance (VC-TCXO)			100kΩ Min.
Phase	100Hz	-115dBc /Hz Typ.	
Noise at	1kHz	-135dBc /Hz Typ.	
	13MHz	-148dBc /Hz Typ.	

Ordering Information

KTD	10000M	33	A		S
Product Code	Frequency Range 10.000MHz	Supply Voltage 33=3.3V	Operating Temperature		Output Type C=HCMOS S=Clipped Sine wave
			A:-20~+70°C	D:-40~+125°C	
			B:-10~+70°C	E:-10~+60°C	
			C:-40~+85°C	F:-30~+70°C	

Dimension

Units:mm



PAD Function:

- 1: VCON /NC
- 7: GND
- 8: Out
- 14: Vdd (5V/3.3V)