Features

- 2016 size, 0.75mm high ultra miniature and lightweight SMD TCXO.
- Low voltage operation and low phase noise.
- Temperature Stability: ±0.5ppm~±2.0ppm.
- Automatic mounting and reflow soldering.
- Voltage Control Function Available.
- Applications: GPS, WiMax, Cellular, Wireless communications, Smart Phone, etc.
- World's Thinnest Package.

Electrical Specifications

Type		SMD 2016 TCXO
Output Type		Clipped Sine wave
Output Load		10kΩ // 10pF
Oscillation Mode		Fundamental
Supply Voltage		1.8~3.3V
Frequency Range		26MHz~52MHz
Clipped Sinewave Output Voltage		0.8 Vp-p Typical
Frequency Stability	Vs. Temperature (-30~+85°C)	±0.5 / ±2.0 ppm
	Vs. Load (Load varies ± 10%)	±0.2ppm Max.
	Vs. Supply Voltage (Vcc = Typical ±0.1V)	±0.2ppm Max.
Frequency Tolerance	as 25°C after 2 Reflows with Typical Applied to Auto Frequency Control Pin	±2.5ppm Max.
Slope of Frequency Drift		±0.1ppm/°C Typical; ±0.5ppm/°C Max.
Operating Temperature Range		-30~+85°C
Auto Frequency Control (AFC)Range*		±7~±16ppm (1.4±1V)
Supply Current		2.0mA Max.
Start-up Time		5ms Max.
Harmonics		-5dBc Max.
Phase Noise at 1kHz Offset		-130dBc/Hz
Aging (at 25°C)		±1ppm/Year Max.

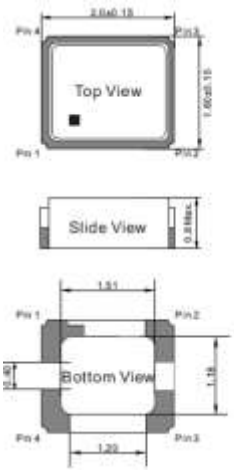
*AFC Range is selective and disable is acceptable.

Ordering Information

KTC2016	26000M	18	05	0	S
Product Code	Frequency Range 26.000MHz	Supply Voltage 18=1.8V 33=3.3V	Frequency Stability Vs. Temperature 05=±0.5ppm 20=±2.0ppm	Voltage Control 0=no VC 1=VC	Output Type S=Clipped Sine wave

Dimension

Units:mm



Pin Connection

Name	Connection
Pin 1	AFC or GND
Pin 2	GND
Pin 3	Output
Pin 4	VCC

Recommended Land Pattern