SMD TCXO
Crystal Oscillators
1.6x1.2x0.6mm W16 Series

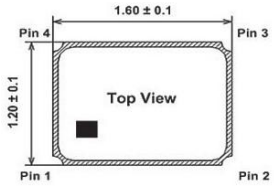
Features

- Temperature Stability: ±0.5 ppm~±2.0 ppm.
- Operating Temperature Range: -30℃~85℃.
- Supply Voltage: 1.8V~3.3V.
- Voltage Control Function Available.
- Applications: GPS, WiMAX, Cellular and Wireless Communications.
- RoHS Compliant / Pb Free.

Crystals specifications

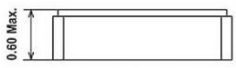
ITEMS/TYPE		W16
Frequency Range		26~52MHz
Output Load		10KΩ // 10pF
Oscillation Mode		Fundamental
Supply Voltage		1.8~3.3 V
Output Type		Clipped Sinewave
Clipped Sinewave Output Voltage		0.8 Vp-p min
Supply Current		2.0mA max.
Harmonics		- 5 dBc Max.
Output Level		0.8 Vp-p min
Frequency Stability	Vs Temperature(-30~+85 ℃)	±0.5 ppm / ± 2.0 ppm
	Supply Voltage (Vcc=Typical ±0.1V)	± 0.2 ppm max.
	Load (Load varies ±10%)	± 0.2 ppm max. (10KΩ / 10pF±10%)
Slope of Frequency Drift		± 0.1 ppm / ℃ Typical ; ± 0.5 ppm / ℃ Max.
Initial Frequency Tolerance at 25℃ after 2 Reflows		± 2.5ppm max. (After 2 times reflow)
Storage Temperature Range		- 40~+85 ℃
Auto Frequency Control Range		± 7 ~ ± 16 ppm (1.4+/- 1V)
Start-up Time		5 ms max.
Phase Noise at 1 kHz offset		- 130 dBc / Hz
Aging(at 25℃)		± 1ppm / year

Dimensions and patterns(unit:mm)

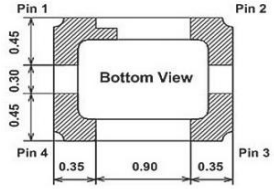


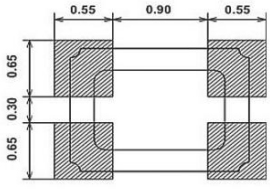
Pin Connection

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



Recommended Land Pattern





Units:mm