

Features

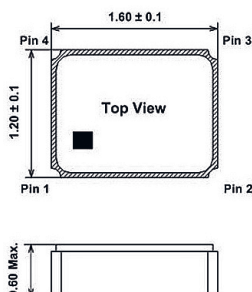
- Temperature Stability: ± 0.5 ppm $\sim \pm 2.0$ ppm.
- Operating Temperature Range: $-30^{\circ}\text{C} \sim 85^{\circ}\text{C}$.
- Supply Voltage: 1.8V \sim 3.3V.
- Voltage Control Function Available.
- World's Thinnest Package.
- Frequencies: 26 MHz, 33.6 MHz, 38.4 MHz, 40 MHz, 52 MHz.
- Applications: GPS, WiMAX, Cellular and Wireless Communications.
- RoHS Compliant/ Pb Free.

Electrical Specifications

Item / Type		EAS1612VT/TC
Output Type		Clipped Sinewave
Output Load		10K Ω // 10 pF
Oscillation Mode		Fundamental
Supply Voltage		1.8~3.3 V
Frequency Range		26~ 52 MHz
Clipped Sinewave Output Voltage		0.8 Vp-p typical
Frequency Stability	Vs. Temperature(- 30~ + 85 $^{\circ}\text{C}$)	$\pm 0.5/\pm 2.0$ ppm
	Vs.Load(Loadvaries $\pm 10\%$)	± 0.2 ppm Max.
	Vs. Supply Voltage (Vcc = Typical ± 0.1 V)	± 0.2 ppm Max.
Frequency Tolerance	at 25 $^{\circ}\text{C}$ after 2 Reflows with Typical Applied to Auto Frequency Control Pin	± 2.5 ppm Max.
Slope of Frequency Drift		± 0.1 ppm/ $^{\circ}\text{C}$ Typical; ± 0.5 ppm/ $^{\circ}\text{C}$ Max.
Storage Temperature Range		$-40 \sim + 85^{\circ}\text{C}$
Auto Frequency Control (AFC) Range*		$\pm 7 \sim \pm 16$ ppm(1.4 ± 1 V)
Supply Current		2.0 mA Max.
Start-up Time		5 ms Max.
Harmonics		- 5 dBc Max.
Phase Noise at 1 kHz offset		- 130 dBc/ Hz
Aging (at25 $^{\circ}\text{C}$)		± 1 ppm/year Max.

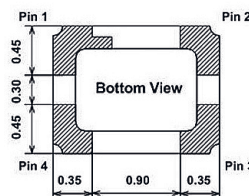
* AFC Range is selective and disable is acceptable.

Dimensions

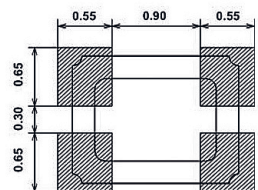


Pin Connection

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



Recommended Land Pattern



Units: mm