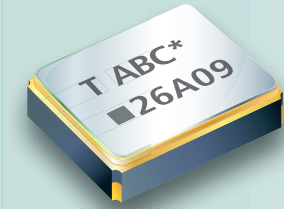


SMD TCXO 2.5 x 2.0 x 0.8 mm 7L Series



Features

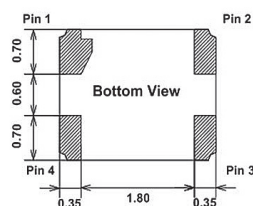
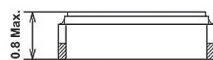
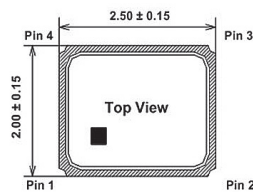
- Temperature Stability: ± 0.5 ppm ~ ± 2.0 ppm.
- Operating Temperature Range: -30 °C ~ 85 °C.
- Supply Voltage: 1.8 V ~ 3.3 V.
- Voltage Control Function Available.
- Frequencies: 16.367667 MHz, 16.368 MHz, 16.369 MHz, 19.2 MHz, 26 MHz, 33.6 MHz, 38.4 MHz, 40 MHz, 52 MHz.
- Applications: GPS, WiMAX, Cellular and Wireless Communications.
- RoHS Compliant / Pb Free.

Electrical Specifications

Item / Type		7L
Output Type		Clipped Sinewave
Output Load		10K Ω // 10 pF
Oscillation Mode		Fundamental
Supply Voltage		1.8 ~ 3.3 V
Frequency Range		13 ~ 52 MHz
Clipped Sinewave Output Voltage		0.8 Vp-p Min.
Frequency Stability	Vs. Temperature (-30 ~ $+85$ °C)	$\pm 0.5 / \pm 2.0$ ppm
	Vs. Load (Load varies ± 10 %)	± 0.2 ppm Max.
	Vs. Supply Voltage (V_{cc} = Typical ± 0.1 V)	± 0.2 ppm Max.
Frequency Tolerance	at 25 °C after 2 Reflows with Typical Applied to Auto Frequency Control Pin	± 2.5 ppm Max.
Slope of Frequency Drift		± 0.1 ppm / °C Typical ; ± 0.5 ppm / °C Max.
Storage Temperature Range		-40 ~ $+85$ °C
Auto Frequency Control (AFC) Range *		± 7 ~ ± 16 ppm (1.4V \pm 1V)
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 (at 25 °C)		± 1 ppm / year Max.

* AFC Range is selective and disable is acceptable.

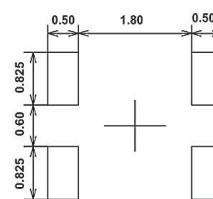
Dimensions



Pin Connection

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

Recommended Land Pattern



Units: mm

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[AST3TDATAACJ5-38.8800MHz](#) [NT0503CH3I287CN25](#) [NT0503CH3I287CN30.72](#) [NT0503CC3I287DN20](#) [TG-3541CE 32.7680KXB0](#)
[KT1612A26000AAW18TBL](#) [KT1612A26000AAW18NBL](#) [TG-5006CG-12H 26.0000M0](#) [TG2520SMN 38.4000M-MCGNNM3](#) [TG-5006CG-](#)
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[X1G005421031215](#) [X1G005421020516](#) [SX1T19.200B010J020S](#) [ASTX-H11-27.000MHZ-T](#) [KT7050A10000KAW33TAD](#)
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[10.000000X](#) [SIT5356AI-FQ-33VT-20.000000X](#) [SIT5357AI-FQ-33N0-100.000000X](#) [DS32KHZSN+T&R](#) [ECS-TXO-2520-33-120-AN-TR](#)
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