ensate **Precise** ta er emperature lato pad

Features

- High Stability Over Temperature: ±0.14ppm~±0.28ppm Operating Temperature Range: -40°C~85°C Holdover 24Hr: ±0.40ppb (Option)

- Free Run Stability for 20 years: ±4.6ppm (Option)
- Frequency: 10 ~ 52MHz
- Supply Voltage: 2.7V ~ 5.5V
- Voltage Control Function Available
- Output Enable/Disable Function Available
- Support Clipped Sinewave and CMOS Output Waveform Application: Small Cell, Base Station, Networking Infrastructure
- **ROHS Compliant / Pb Free**

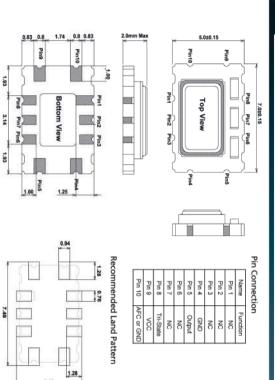


Electrical Specifications

Item / Type		7N	
Output Type	Clipped Sinewave	CMOS	S
Output Load	10KΩ//10pF	15pF	F
Output Voltage	diM a dV 8 0	Output Low (VOL)	0.1 * Vcc Max.
Carbar voltage	olo vp p Willi.	Output High (VOH)	0.9 * Vcc Min.
Supply Current	5 mA Max.	10 mA Max	Max.
Oscillation Mode		Fundamental	
Supply Voltage		2.7 ~ 5.5 V	
Frequency Range		10 ~ 52 MHz	
Initial Frequency Tolerance at 25°C after 2 Reflows		±2.0 ppm	
Vs. Temperature (- $40 \sim + 85 ^{\circ}\text{C}$)		±0.14 / ±0.28 ppm	
Frequency Tolerance Vs. Load (± 5 %)		±0.1 ppm Max.	
Vs. Supply Voltage (± 5 %)		±0.1 ppm Max.	
Storage Temperature Range		-55 ~ +125 °C	
Auto Frequency Control Range (Option)	l+	±5~±16 ppm (1.5±1 V)	S
Start-up Time		2.5 ms Max.	
Harmonics		-5 dBc Max.	
Phase Noise at 1KHz Offset		-130 dBc/Hz	
Aging		±1 ppm / year Max.	
24 Hr Holdover Stability (Option) [#1]		±40 ppb	
Free Run Stability for 20 Years (Option) [#2]		±4.6 ppm	

[#1] 24 hours at constant temperature after 48 hours operation. [#2] Inclusive of initial tolerance at 25℃ , temperature, supply voltage ±5%, load ±5%, reflow soldering and ageing 20 years

Dimensions



Units: mm