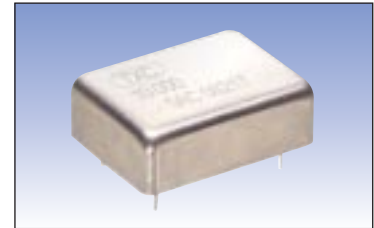


36 x 27 mm DIP OCXO

■ **Features**

- For base station and wireless communication application



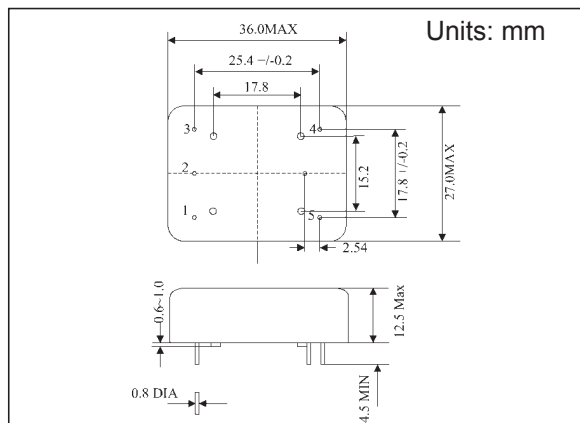
■ **Electrical Specifications**

Item	Type	AT-CUT	SC-CUT
Output Waveform		CMOS / TTL Compatible [#1]	
Output Load		50 pF for CMOS / 3TTL Gates	
Frequency vs. Load Variation		± 5 ppb for $\pm 5\%$ Variation	± 2 ppb for $\pm 5\%$ Variation
Supply Voltage		5 V [#2]	
Frequency vs. Supply Voltage Variation		± 5 ppb for $\pm 5\%$ Variation	± 2 ppb for $\pm 5\%$ Variation
Voltage Reference		4 ± 0.04 V [#3]	
Nominal Frequency		10 MHz [#4]	
Frequency Stability		± 200 ppb Max. [#5]	± 20 ppb Max. [#5]
Operating Temperature Range		$-20 \sim +70$ °C [#6]	
Storage Temperature Range		$-40 \sim +85$ °C	
Long Term Aging		± 10 ppb / day Max.	± 1 ppb / day Max.
		± 1 ppm / 1st year Max.	± 150 ppb / year Max.
		± 4 ppm / 15 years Max.	
Supply Power		5W Max. for Warm-up (at 25°C, at Tmin), 1 W Max. at Steady State (at 25 °C)	
Frequency Pulling Range		± 5 ppm Min. [#7]	± 500 ppb Min. [#8]
Control Voltage Range		0.5 ~ 4.5 V	
Linearity		$\pm 10\%$ Max	
Phase Noise [#9]		-100 dBc / Hz at 10 Hz offset	-110 dBc / Hz at 10 Hz
		-120 dBc / Hz at 100 Hz offset	-128 dBc / Hz at 100 Hz
		-130 dBc / Hz at 1 KHz offset	-138 dBc / Hz at 1 KHz
		-140 dBc / Hz at 10 KHz offset	-144 dBc / Hz at 10 KHz
Stabilization Time		5 minutes Max. at 25 °C to ± 100 ppb	

■ **Notes**

[#1]	Available outputs: CMOS, Sine Wave
[#2]	Available operating voltages: 3.3 V, 5.0 V, 12 V, 15 V
[#3]	Consults for other output reference voltages
[#4]	Available frequencies range from 5 ~ 70 MHz
[#5]	Consults for other temperature stability from $\pm 100 \sim \pm 500$ ppb / AT CUT, and $\pm 10 \sim \pm 500$ ppb / SC CUT
[#6]	Max. operating temperature range from $-40 \sim +80$ °C
[#7]	Pulling range available from $\pm 1 \sim \pm 10$ ppm / Consults for other pulling voltage ranges
[#8]	Pulling range available from $\pm 500 \sim \pm 1500$ ppb / Consults for other pulling voltage ranges
[#9]	Consults for other phase noise levels

■ **Dimensions**



■ **Pins Connection**

Pin	Function
1	CONTROL VOLTAGE
2	REF VOLTAGE
3	VDD
4	OUT
5	GND