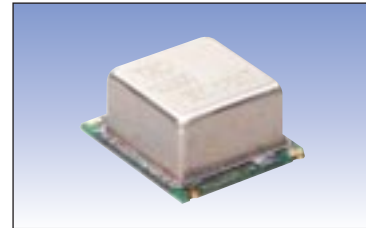


25 x 22 mm SMD OCXO

Features

- For base station and wireless communication application



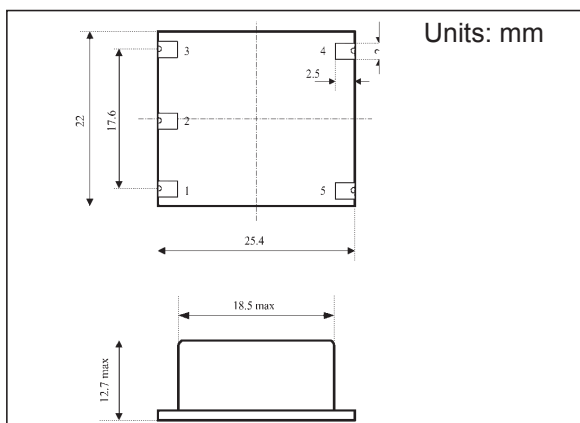
Electrical Specifications

Item	Type	AT-CUT
Output Waveform		CMOS
Output Load		1 K Ω // 15 pF
Frequency vs. Load Variation		± 2 ppb for ± 10 % Variation
Supply Voltage		5 V
Frequency vs. Supply Voltage Variation		± 2 ppb for ± 10 % Variation
Voltage Reference		4 \pm 0.04 V
Nominal Frequency		10 MHz [#1]
Frequency Stability		± 100 ppb Max. [#2]
Operating Temperature Range		-20 ~ +70 °C [#3]
Storage Temperature Range		-40 ~ +85 °C
Long Term Aging		± 5 ppb / day Max., ± 0.5 ppm / 1st year Max. [#4]
Supply Current		500 mA Max. for Warm-up (at 25 °C) 200 mA Max. at Steady State (at 25 °C)
Frequency Pulling Range		± 2 ppm Min. [#5]
Control Voltage Range		0 ~ 4 V [#6]
Linearity		± 10 % Max.
Phase Noise [#4]		-110 dBc / Hz at 10 Hz, -135 dBc / Hz at 100 Hz -135 dBc / Hz at 1 KHz, -145 dBc / Hz at 10 KHz
Stabilization Time		2 minutes Max. at 25 °C to ± 1 ppm, 15 minutes Max. at 25 °C to ± 0.2 ppm

Notes

[#1]	Available frequencies range 10 ~ 100 MHz	[#4]	Consult factor for other aging
[#2]	Consult factor for other stabilities	[#5]	Consult factor for other pulling ranges
[#3]	Consult factor for other temperature ranges	[#6]	Consult factor for other control voltage ranges

Dimensions



Pins Connection

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