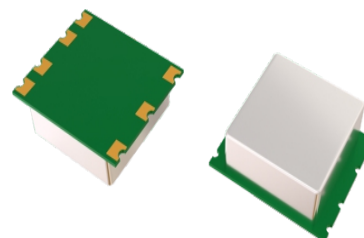


OCXO, Series

25.4 x22.1 mm Oven Controlled Crystal Oscillator

Feature

- Dimension 25.4 x 22.1 x 11.0 mm typical
- SC Cut crystal



Electrical Specifications

Parameter		Min.	Type	Max.	Unit
OUTPUT (PIN = “R.F. OUTPUT”)					
Frequency		5	10	40	MHz
Output Level:	Output High	2.4			V
	Output Low			0.4	V
Waveform:		Rectangular			
Load		15			pF
Duty(Rectangular)		45	50	55	%
Frequency stability					
Frequency stability	Ambient (0~70°C/ -30~+70°C /-40~+85°C)		±5,±10, ±20		ppb
	Aging		-0.5	+0.5	ppb
	Daily		-0.5	+0.5	ppb
	Yearly		-50	+50	ppb
	10 Years		-0.4	+0.4	ppm
	Voltage(±5% change)		-0.5	+0.5	ppb
	Load(±5% change)		-0.5	+0.5	ppb
	Warm-up		-10	10	ppb
Phase Noise	10Hz			-115	dBc/Hz
	100Hz			-130	
	1KHz			-140	
	10KHz			-150	
ELECTRICAL FREQUENCY ADJUSTMENT (PIN = “VCO INPUT”)					
Tuning Range	VCO @ 0 V			-0.5	ppm
	VCO @ 2.8V		+0.5		ppm
Control Voltage		0	1.4	2.8	V
INPUT POWER (PIN = “+VDC”)					
Voltage		3.135	3.3	3.465	V
Current				1000	mA
Steady State				1.2	W
Reference Voltage					
Voltage		2.7	2.8	2.9	V
Storage Temperature		-55		+125	°C

Dimension(mm)

