

OCXO, Series

20.3 x12.7 mm Oven Controlled Crystal Oscillator

Feature

- Dimension 20.3 x 12.7 x 11.0 mm typical
- Stratum 3 (Overall ± 4.6 ppm including 10 years aging.)



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			0.5	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)	±50,±100, ±200			ppb
	Daily	-5.0		+5.0	ppb
	Yearly	-0.5		+0.5	ppm
	10 Years	-3.0		+3.0	ppm
	Voltage(±5% change)	-50		+50	ppb
	Load(±5% change)	-50		+50	ppb
	Warm-up	-0.1		+0.1	ppm
	Aging	-5.0		+5.0	ppb
Phase Noise	10Hz			-105	dBc/Hz
	100Hz			-130	
	1KHz			-140	
	10KHz			-150	
ELECTRICAL FREQUENCY ADJUSTMENT (PIN = “VCO INPUT”)					
Tuning Range	VCO @ 0 V			-5.0	ppm
	VCO @ 5.0V	+5.0			ppm
Control Voltage		0	2.5	5.0	V
INPUT POWER (PIN = “+VDC”)					
Voltage		4.75	5.0	5.25	V
Current				400	mA
Steady State				0.8	W
Storage Temperature		-55		+125	°C

Dimension(mm)

