

20.6 x20.6mm Oven Controlled Crystal Oscillator

Feature

- Dimension 20.6 x 20.6 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	3.5			V
HCMOS	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)	±5,±10, ±20			ppb
	Daily	-0.5		+0.5	ppb
	Yearly	-50		+50	ppb
	10 Years	-0.3		+0.3	ppm
	Voltage(±5% change)	-0.5		+0.5	ppb
	Load(±5% change)	-0.5		+0.5	ppb
	Warm-up	-50		50	ppb
Phase Noise	Aging	-0.5		+0.5	ppb
	10Hz			-115	dBc/Hz
	100Hz			-135	
	1KHz			-145	
10KHz			-150		
ELECTRICAL FREQUENCY ADJUSTMENT (PIN = “VCO INPUT”)					
Tuning Range	VCO @ 0 V			-0.5	ppm
	VCO @ 4.0V	+0.5			ppm
Control Voltage		0	2	4.0	V
INPUT POWER (PIN = “+VDC”)					
Voltage		4.75	5.0	5.25	V
Current				500	mA
Steady State				1.0	W
Reference Voltage					
Voltage		3.8	4.0	4.2	V
Storage Temperature		-55		+125	°C

Dimension(mm)

