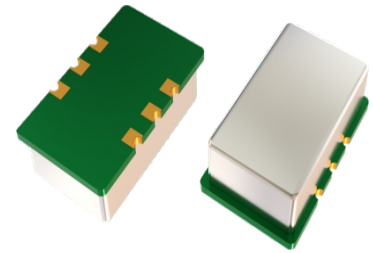


14.3 x9.3 mm Oven Controlled Crystal Oscillator

Feature

- Dimension 14.3 x 9.3 x 6.5 mm typical
- 6-PIN SMD package
- Frequency Range , 10 MHz to 40MHz
- ± 30 ppb stability over -40 to +85 °C
- Stratum 3 (Overall ± 4.6 ppm including 20 years aging.)



Electrical Specifications

Parameter		Min.	Type	Max.	Unit
OUTPUT (PIN = “R.F. OUTPUT”)					
Frequency		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 (-20~+70°C /-40~+85°C)	±10,±20, ±30, ±50			ppb
	Daily	-2.0		+2.0	ppb
	Yearly	-0.4		+0.4	ppm
	10 Years	-2.0		+2.0	ppm
	Voltage(±5% change)	-5.0		+5.0	ppb
	Load(±5% change)	-10.0		+10.0	ppb
	Warm-up	-0.1		+0.1	ppm
Phase Noise	10Hz		-98	-92	dBc/Hz
	100Hz		-126	-120	
	1KHz		-145	-140	
	10KHz		-152	-150	
ELECTRICAL FREQUENCY ADJUSTMENT (PIN = “VCO INPUT”)					
Tuning Range	VCO @ 0 V			-5.0	ppm
	VCO @ 3.3V	+5.0			ppm
Control Voltage		0	1.65	3.3	V
INPUT POWER (PIN = “+VDC”)					
Voltage		3.135	3.3	3.465	V
Current			500	600	mA
Steady State			0.5	0.6	W
Storage Temperature		-55		+125	°C

Dimension(mm)

Solder Pad Layout(mm)

