

OCXO, Series

36.3x27.2mm Oven Controlled Crystal Oscillator

FEATURE

- Typical 36.3 x 27.2 x 12.7 mm.
- SC Cut crystal



Electrical Specifications

Parameter		12V			5.0V			Unit
		Min.	Type	Max.	Min.	Type	Max.	
OUTPUT (PIN = "R.F. OUTPUT")								
Frequency		5	10	40	5	10	40	MHz
Output Level:	Output High	2.6			2.4			V
LVTTL	Output Low			0.4			0.4	V
Waveform:		Rectangular			Rectangular			
Load			15			15		pF
Duty		45	50	55	45	50	55	%
Frequency stability								
Frequency stability	Ambient (0~70°C/ -30~+70°C /-40~+85°C)	±3, ±5, ±10			±3, ±5, ±10			ppb
	Aging	-0.5		+0.5	-0.5		+0.5	
	Daily	-0.5		+0.5	-0.5		+0.5	ppb
	Yearly	-50		+50	-50		+50	ppb
	10 Years	-0.3		+0.3	-0.3		+0.3	ppm
	Voltage(±5% change)	-0.5		+0.5	-0.5		+0.5	ppb
	Load(±5% change)	-0.5		+0.5	-0.5		+0.5	ppb
Phase Noise	Warm-up	-10		+10	-10		+10	ppb
	10Hz		-125	-120		-125	-120	dBc/Hz
	100Hz		-140	-135		-140	-135	
	1KHz		-148	-145		-148	-145	
10KHz		-156	-155		-156	-155		
ELECTRICAL FREQUENCY ADJUSTMENT (PIN = "VCO INPUT")								
Tuning Range	VCO @ Min. Voltage							
	VCO @ Max. Voltage							
Control Voltage	Ordering Information							
INPUT POWER (PIN = "+VDC")								
Voltage		+11.4	+12	+12.6	+4.75	+5.0	+5.25	V
Current				1000			850	mA
Steady State				1.3			1.3	W
REFERENCE VOLTAGE (PIN = "REFERENCE VOLTAGE")								
Voltage		+4.75	+5.0	+5.25	+3.8	+4.0	+4.2	V
Storage Temperature		-55		+125	-55		+125	°C

Dimension(mm)

