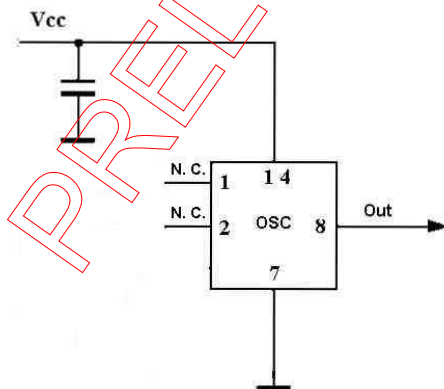


RoHS Compliant, DIP14 package.							Rev. Preliminary	
Temporary Code : ULN_OCXO-49.152000								
#	Parameter	Symbol	Condition	Value			Unit	
				Min.	Typ.	Max.		
1.1	<b>Nominal Frequency</b>	$f_0$		49.152000			MHz	
1.2	Initial tolerance	$(f - f_0)/f_0$	at +25°C, $V_c=V_{c0}$	-0.2		0.2	ppm	
<b>RF output</b>								
2.1	Wave form			HCMOS				
2.2	High - Voltage	$V_H$		2.4			V	
2.3	Low - Voltage	$V_L$				0.4	V	
	Load	$R_L$ $C_L$		10		5	kOhm pF	
2.4	Duty Cycle			45	50	55	%	
2.5	Sub-harmonics			none				
<b>Power supply</b>								
3.1	Voltage	$V_{cc}$		3.15	3.3	3.45	V	
3.2	Warm-up current		$V_{cc}=3.3V$	120		190	mA	
3.3	Continuous current		at +25°C, $V_{cc}=3.3V$			50	mA	
3.4	Warm-up time	$t_{up}$	to $\Delta f/f=1e-7$ at +25°C ref to 1hr frequency			120	sec.	
<b>Frequency stability</b>								
4.1	vs. temperature		ref 25°C			±10	ppm	
4.2	vs. supply voltage		ref $V_{cc}$ typ.			±50	ppb	
5.1	<b>SSB Phase noise</b>		1 Hz			-75	-70	dBc/Hz
			10 Hz			-110	-105	
			100 Hz			-145	-140	
			1 kHz			-160	-158	
			10 kHz			-165	-163	
			100 kHz			-170	-168	
6.1	<b>Bandwidth Jitter</b>	$J_{BW}$	12kHz - 20MHz			0.39	0.50	ps
7.1	<b>Aging per day</b>		after 30 days of operation			±5	ppb	
		per year					±0.5	ppm
<b>Maximum ratings, environmental, mechanical conditions.</b>								
Power voltage		-0.5 to 4.0 V						
Operating temperature range		0°C to +50°C						
Storage temperature range		-60°C to +90°C						
Humidity		Non-condensing 95%						
Soldering Conditions		260°C 10s						

Schematic connections



Physical dimensions

