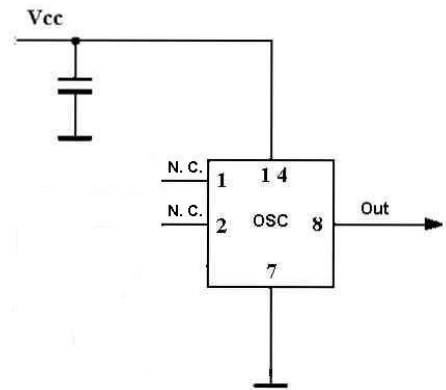


RoHS Compliant, DIP14 package.								
Temporary Code : ULN_OCXO-49.152000							Rev. Preliminary 0.1	
#	Parameter	Symbol	Condition	Value			Unit	
				Min.	Typ.	Max.		
1.1	Nominal Frequency	f <sub>0</sub>		49.152000			MHz	
1.2	Initial tolerance	(f- f <sub>0</sub> )/f <sub>0</sub>	at +25°C, V <sub>c</sub> =V <sub>e0</sub>	-0.2		0.2	ppm	
RF output								
2.1	Wave form			HCMOS				
2.2	High -Voltage	V <sub>H</sub>		2.4			V	
2.3	Low - Voltage	V <sub>L</sub>				0.4	V	
	Load	R <sub>L</sub> C <sub>L</sub>		10		5	kOhm pF	
2.4	Duty Cycle			45	50	55	%	
2.5	Sub-harmonics			none				
Power supply								
3.1	Voltage	V <sub>cc</sub>		3.15	3.3	3.45	V	
3.2	Warm-up current		V <sub>cc</sub> =3.3V	120		190	mA	
3.3	Continuous current		at +25°C, V <sub>cc</sub> =3.3V			50	mA	
3.4	Warm-up time	t <sub>up</sub>	to Δf/f=1e-7 at +25°C ref to 1hr frequency			120	sec.	
Frequency stability								
4.1	vs. temperature		ref 25°C			±10	ppm	
4.2	vs. supply voltage		ref V <sub>cc</sub> typ.			±50	ppb	
5.1	SSB Phase noise		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	Bandwidth Jitter	J <sub>BW</sub>	12kHz - 20MHz		49	62	fs	
7.1	Aging per day		after 30 days of operation			±5	ppb	
	per year					±0.5	ppm	
Maximum ratings, environmental, mechanical conditions.								
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

