Travelling Merchant:_____

DATASHEET

Standard: **OSC754-D103-NE-58.320MHz**

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Lucia.Jin	Carry.Wang	James.Liu	
Date: 2012.12.12			

Guangdong Dapu Telecom Technology Co.,Ltd

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, China

TEL：0086-0769-88010888 FAX：0086-0769-81800098

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

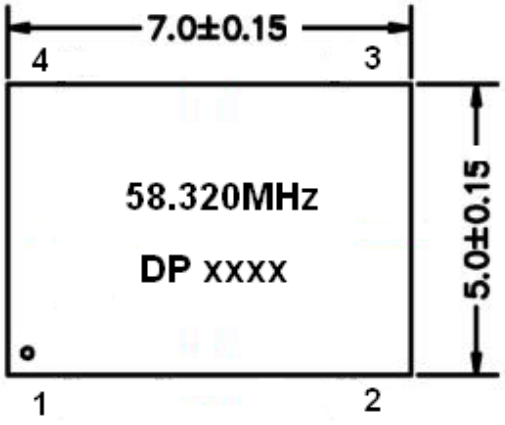
1、 Electrical Parameters

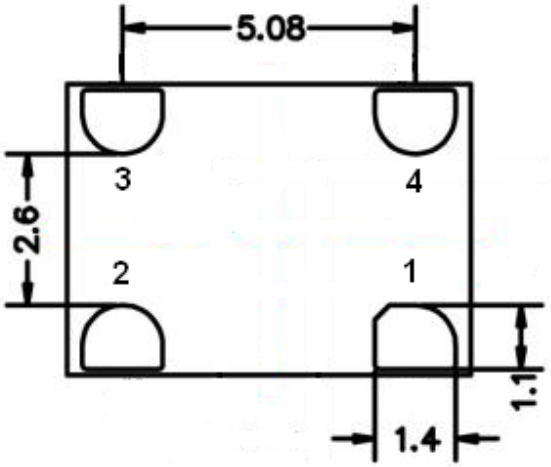
MODEL： OSC754-D103-NE-58.320MHz							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL		58.320		MHz	
2	Frequency Stability	-	-50	~	+50	$\times 10^{-6}$	
3	Operating Temperature	Topr	-40	~	+85	℃	
4	Storage Temperature	Tstg	-55	~	+105	℃	
5	Supply Voltage	VDD	2.97	3.30	3.63	V	
6	Current Consumption	Idd	-	3.9	4.5	mA	
7	Output waveform			HCMOS			
8	Output Load：	CL		15		pF	
9	Output Voltage High	VOH	90%	-	-	Vdd	
10	Output Voltage Low	VOL	-	-	10%	Vdd	
11	Rise Time	Tr	-	1.2	2.0	ns	20%-80%VDD Level
12	Fall Time	Tf	-	1.2	2.0	ns	80%-20%VDD Level
13	Input Voltage High	VIH	70%	-	-	Vdd	Pin 1,OE
14	Input Voltage Low	VIL	-	-	30%	Vdd	Pin 1,OE
15	Duty Cycle	-	45	50	55	%	
16	Phase Jitter	T_phj		3	-	ps	12kHz～7.5 MHz
17	Startup Time	-	-	-	5	ms	
18	Aging	-	-1.5	~	+1.5	$\times 10^{-6}$	1st. Year at 25℃
19	Drop Test	75 cm height,3 times on concrete floor .					JIS C6701
20	ESD Level	Human Body Model, class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.					
		Machine Model, class B: 200V to 400V; ANSI/ESDA/JEDEC JS-001-2010.					
21	Moisture Sensitivity Level	Level 2.					

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

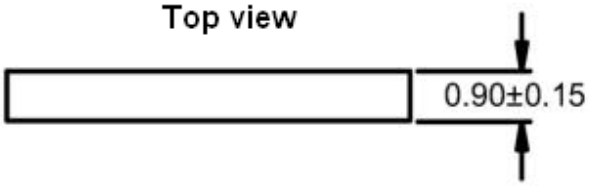
22	Mechanical Shock	Device are shocked to half sine wave (1000 G) three mutually. perpendicular axes each 3 times. 0.5m sec. duration time	MIL-STD-202F
23	Vibration	Frequency range 10 ~ 2000 Hz Amplitude 1.52 mm/20G Sweep time 20 minutes perpendicular axes each test time 4 hours (Total test time 12 hours)	MIL-STD-883E

2、Mechanical Structure(mm)



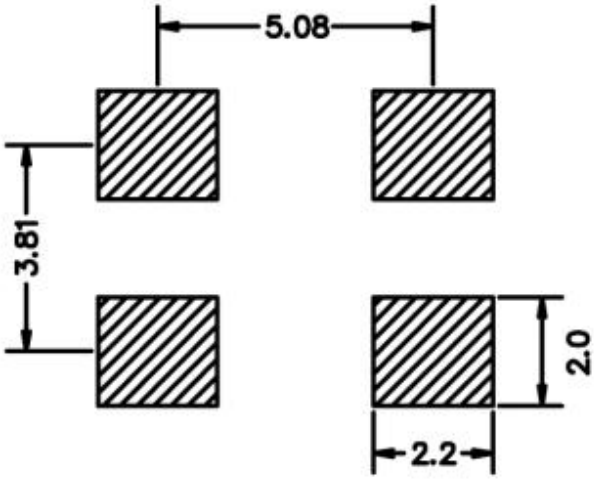


Bottom view



PIN FUNCTION

PIN	FUNCTION
1	OE
2	GND
3	OUTPUT
4	VDD



Suggested Layout

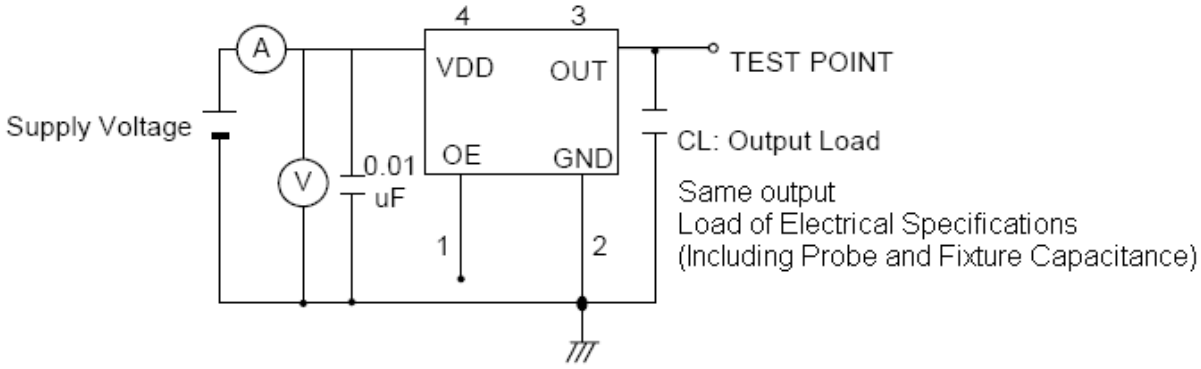
Note1:Tolerance±0.2mm without mark

Note2: The first two xx representative: week After two xx representative: year

Note3: Referential Weight 0.2g

Bldg13-16,.N.Ind.Zone,SSL Industry Park, Dongguan City, Guangdong Province, PR China
TEL:0086-0769-88010888
FAX:0086-0769-81800098

3、 Test Circuit

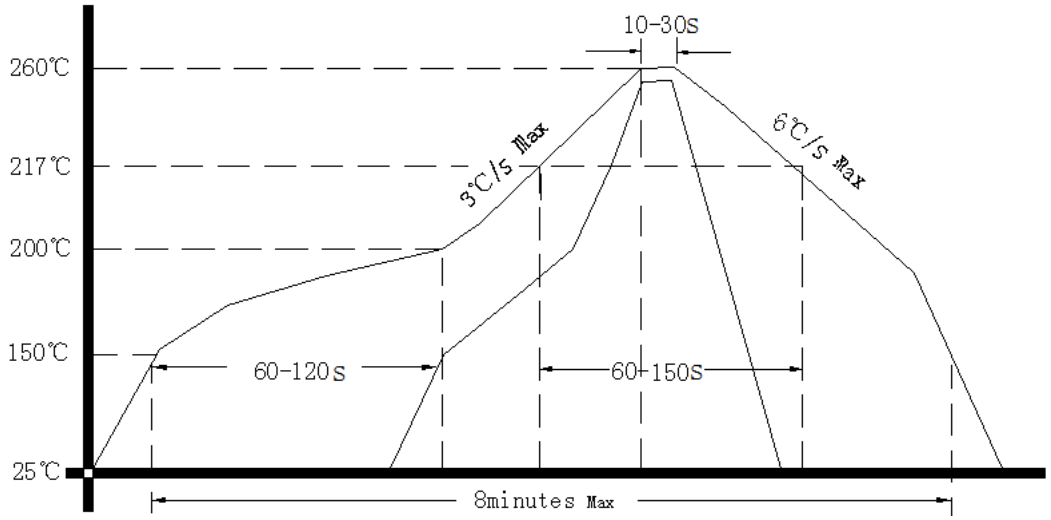


Control input (output enable/disable)

Logic 1 or open on pad 1: Oscillator output

Logic 0 on pad 1 : Disable output to high impedance

4、Reflow Soldering Curve (RoHS)



5、Package: Tape & Reel (mm)