

Travelling Merchant: _____

DATASHEET

Standard: **T21-F519-38.40MHz**

P/N: _____

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2022.10.14			

Guangdong Dapu Telecom Technology Co.,Ltd

Building 5, No.24, Industrial East Road, Songshanhu Park, Dongguan, Guangdong, P.R. China

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



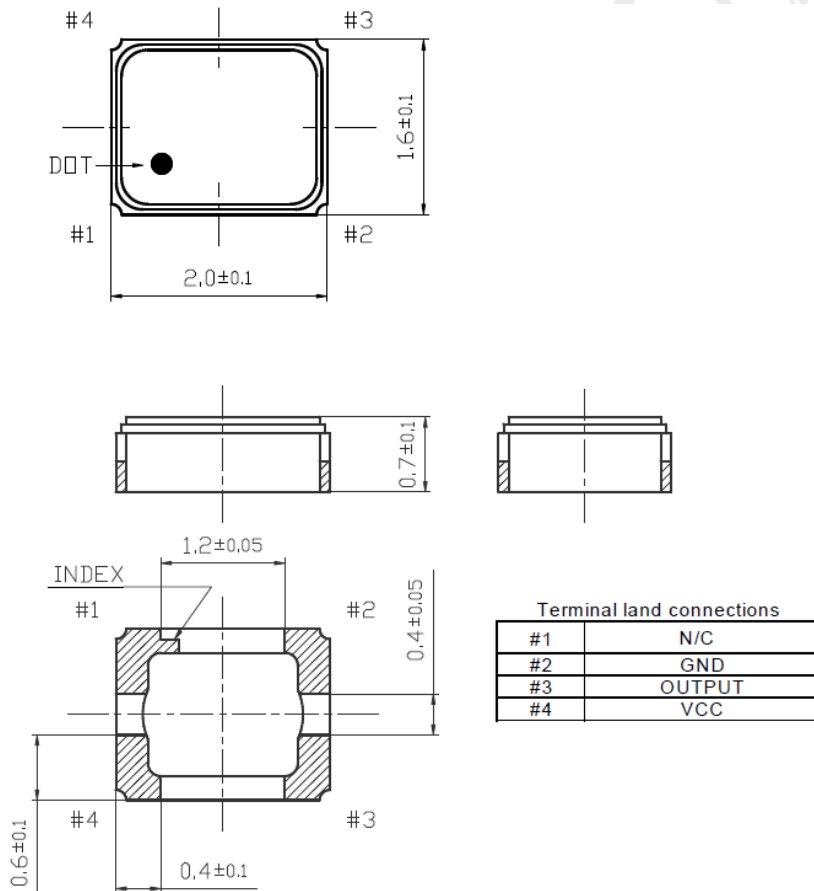
1、Electrical Parameters

MODEL: T21-F519-38.40MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	38.40			MHz	
	Output Waveform	Clipped Sine Wave				
	Vp-p	0.8			V	
	Load	10KΩ//10pF				
Frequency Stabilities	Initial Frequency Tolerance	-1		+1	$\times 10^{-6}$	@25±2℃, 2H, after 2 times reflow soldering, base on nominal frequency.
	vs. Operating Temperature Range	-0.28		+0.28	$\times 10^{-6}$	T _A varied from -40℃ to 105℃, measurement referenced to frequency observed with f _{ref} =(f _{max} +f _{min})/2, V _{cc} =3.3V, O _{load} =10KΩ//10pF, temperature variable speed less than 2℃ per minute.
	Frequency Tolerance vs. Supply Voltage	-0.2		+0.2	$\times 10^{-6}$	measurement referenced to frequency observed T _A =25℃, V _{cc} varied from 3.135V to 3.465V, and O _{Load} =10KΩ//10pF.
	Frequency Tolerance vs. Load	-0.2		+0.2	$\times 10^{-6}$	10% load change measurement referenced to frequency observed with T _A =25℃, V _{cc} =3.3V, and O _{Load} =10KΩ//10pF .
	Aging Tolerance 1 Year	-1		+1	$\times 10^{-6}$	A=25℃, V _{cc} =3.3V , and after 1h of operation.
Power Supply	Current consumption			3	mA	@25℃, V _{cc} =3.3V, ,O _{Load} =10KΩ//10pF.
	Start up Time			2	ms	More than 90% of final output voltage
	Supply Voltage	3.135	3.3	3.465	V	
Phase Nois @25±2℃	Phase Noise @25±2℃		-90	-85	dBc/Hz	10Hz
			-115	-110		100Hz
			-138	-133		1KHz
			-153	-148		10KHz
			-157	-152		100KHz
			-157	-152		1MHz



Environmental Conditions	Operable Temperature	-40		+105	°C	
	Storage Temperature	-55		+105	°C	
	ESD Level	Human Body Model,class2: 2000V to 4000V; ANSI/ESDA/JEDEC JS-001-2010.				
		Machine Model, class B: 200V to 400V; JEDEC JESD22-A115C.				
	Moisture Sensitivity Level	Level 1.				
	Vibration	Test Condition: 0.75mm ;acceleration:10g;10Hz~2000Hz, one cycle per 30 min, test 2 hour. (3 times for each 3 directions X , Y , Z) .IEC 68-2-06 Test Fc.				
	Shock	100g; 6ms; half sine wave (3 times for each 3 directions X , Y , Z),IEC 68-2-27 Test Ea/Severity 50A.				
Full Package Storage	Relative humidity (%)	20%~70%				
	Temperature (°C)	-10~35°C				

2、Mechanical Structure(mm)

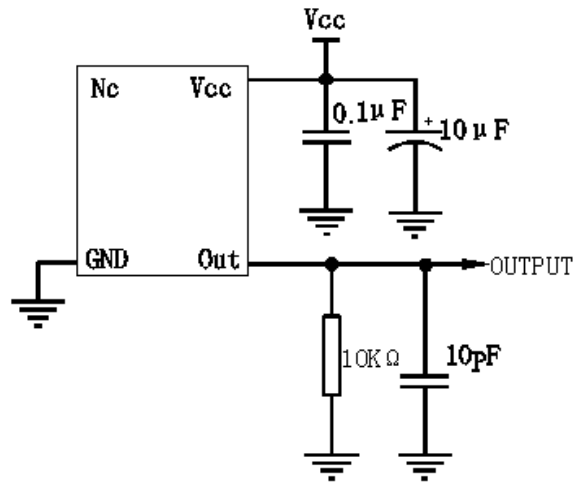


Note1: Tolerance ± 0.1 mm without mark

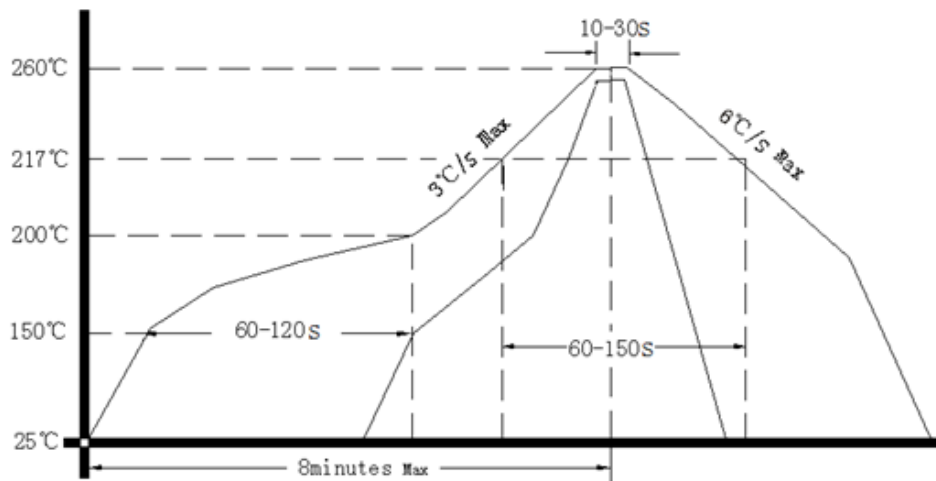
Note2: NC is not connect



3. Test Circuit



4. Reflow Soldering Curve (RoHS)



5. Package: Tape & Reel (mm)

