

Travelling Merchant: _____

DATASHEET

Standard: DP7X80000002

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2018.03.27			

Guangdong Dapu Telecom Technology Co.,Ltd

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

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

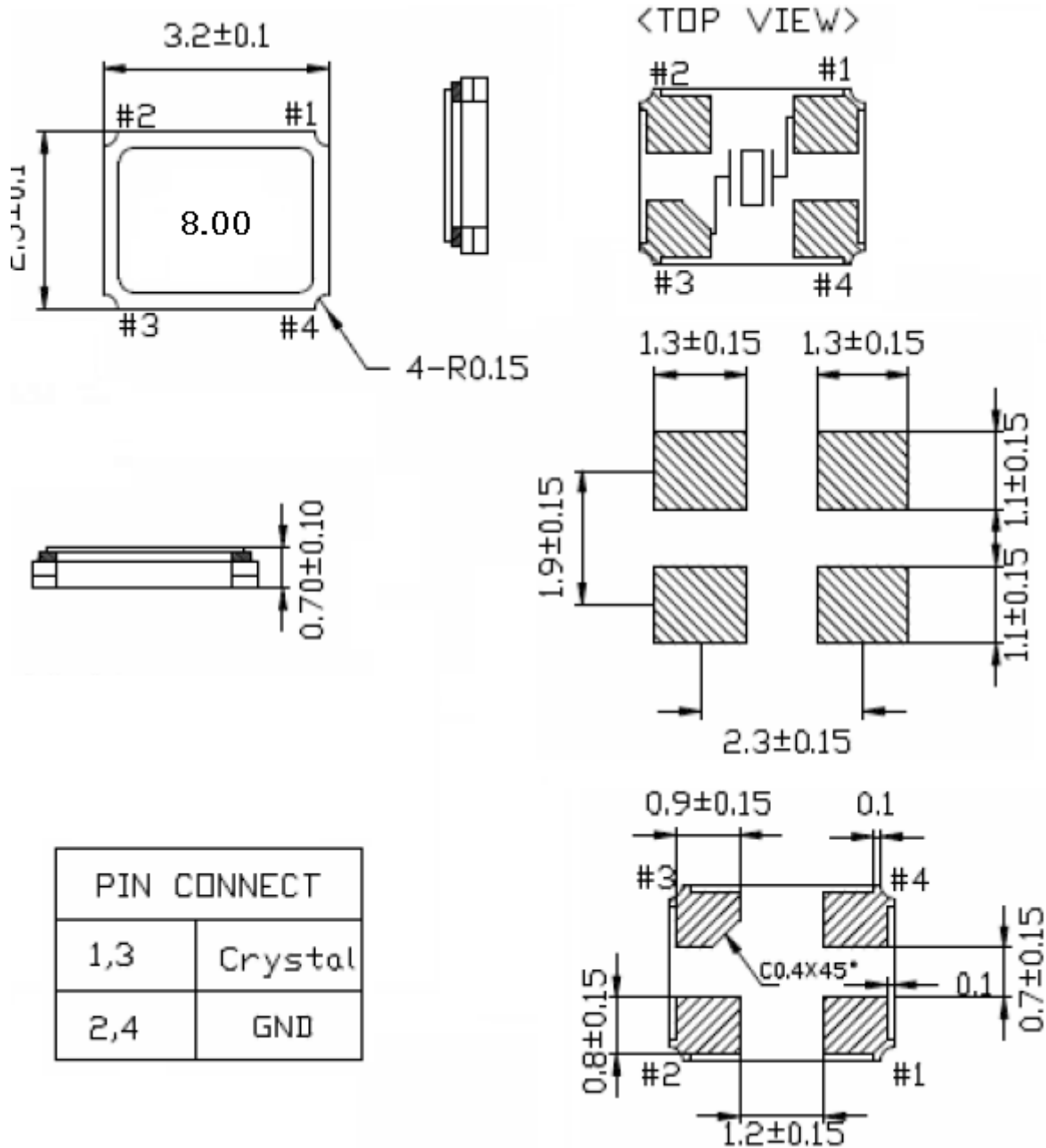


1、Electrical Parameters

MODEL: DP7X8000002							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	8.00			MHz	
2	Oscillation Mode		Fundamental				
3	Load Capacitance	CL	12			pF	
4	Frequency Stability	-	-10		+10	$\times 10^{-6}$	At 25°C $\pm 3^{\circ}\text{C}$
5	Frequency Stability: Refer to Operating Temperature		-20		+20	$\times 10^{-6}$	@-40°C ~+85°C
6	Operating Temperature	Topr	-40		+85	°C	
7	Storage Temperature	Tstg	-40	~	+85	°C	
8	Drive Level				100	uW	
9	Measurement Instrument		S&A 250B				Measured FL
10	Cutting Mode		AT cut				
11	Equivalent Series Resistance				400	Ω	
12	Shunt Capacitance				3.0	pF	
13	Insulation resistance		500			m Ω	DC 100V
14	Aging		-3		+3	$\times 10^{-6}$	1st. Year at 25°C



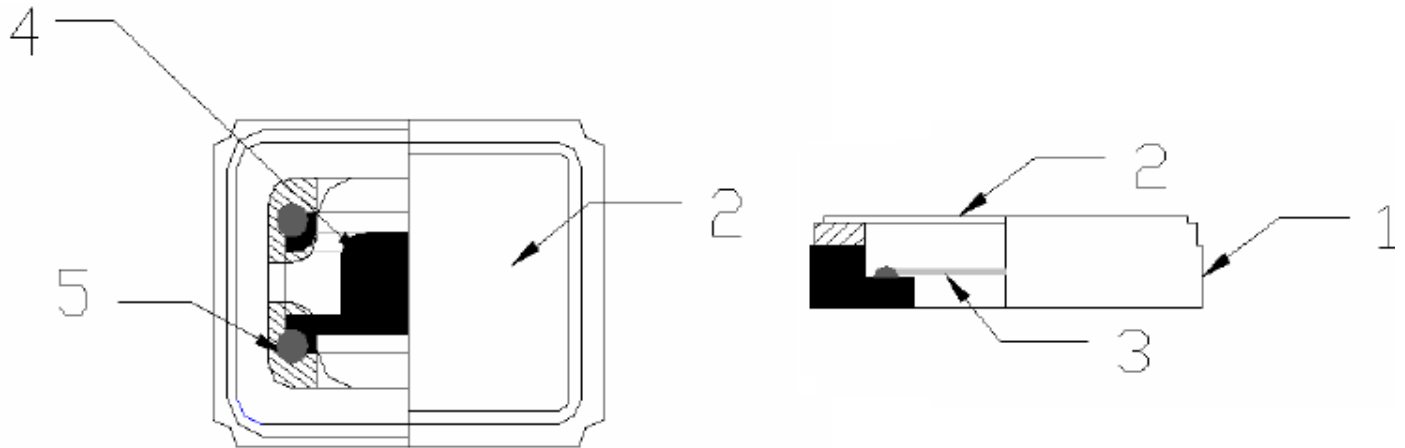
2、Mechanical Structure(mm)



Note1: Tolerance ±0.2mm without mark

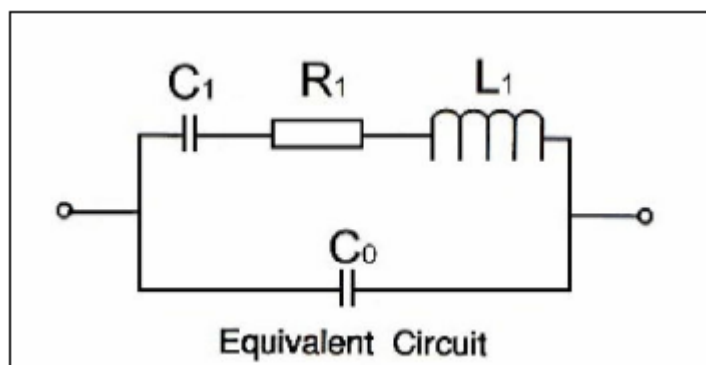


3、 Inside Structure



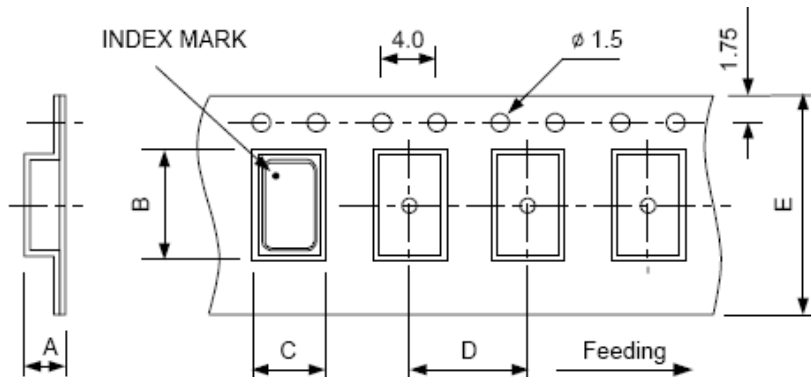
No.	COMPONENTS	MATERIALS
1	Package	Ceramic (Al ₂ O ₃)
2	LID	KV(Fe/Co/Ni)
3	Crystal blank	SiO ₂
4	Electrode	Noble Metal (Ag)
5	Adhesive	Resin、Ag

4、 Equivalent Circuit

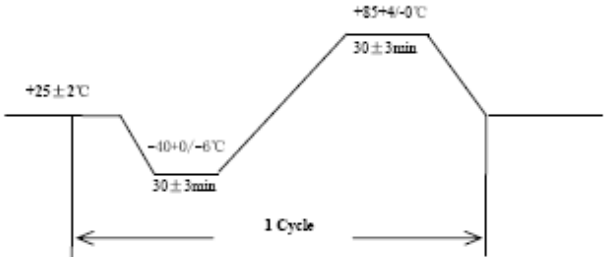
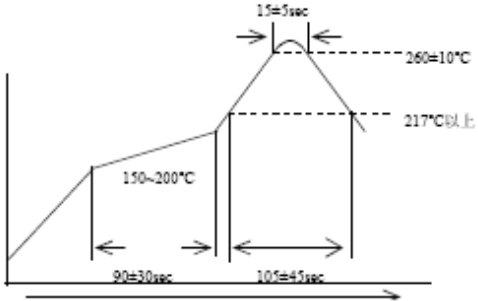




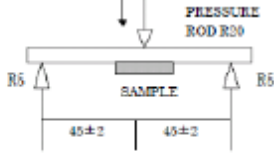
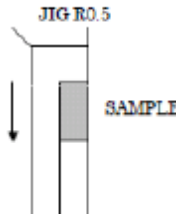
5、 Package: Tape & Reel (mm)



6、 Reliability Test Specification

1	FREE FALL	FREE DROPPING FROM 75 cm HEIGHT 3 TIMES ON A HARD	F \pm 5ppm CI \pm 15% or 5 Ω
2	VIBRATION	FREQUENCY : 10~55Hz, AMPLITUDE (TOTAL EXCURSION) : 1.5mm \pm 15%, SWEEP TIME : 1MIN, 3 DIRECTION(X, Y, Z) EACH FOR 2 Hrs.	F \pm 5ppm CI \pm 15% or 5 Ω
3	TEMPERATURE CYCLE	THE CRYSTAL UNIT SHALL BE SUBJECTED TO 100 SUCCESSIVE CHANGE OF TEMPERATURE CYCLES 	F \pm 5ppm CI \pm 15% or 5 Ω
5	RESISTANCE TO SOLDERING HEAT	PEAK: 260°C \pm 10°C Time: 15 \pm 5 sec 	F \pm 5ppm CI \pm 15% or 5 Ω
6	SOLDERABILITY	THE LEAD IS IMMERSED IN A 260 \pm 5°C SOLDER BATH WITHIN 2 \pm 0.6 SECONDS.	more than 95% of lead shall be covered by new solder



7	HIGH TEMP. & HUMIDITY	STORED AT 60±2°C AND HUMIDITY 90~95% FOR 500±12 H.	F±5ppm CI±15% or 5Ω
8	HIGH TEMPERATURE STORAGE	STORED AT 85±2°C FOR 720±12H. (If Customer's temperature request is higher than the standard, Temperature test must be done for customer requirements.)	F±5ppm CI±15% or 5Ω
9	LOW TEMPERATURE STORAGE	STORED AT -40±2°C FOR 500±12H. (If Customer's temperature request is lower than the standard, Temperature test must be done for customer requirements.)	F±5ppm CI±15% or 5Ω
10	TERMINAL STRENGTH	SHALL BE PRESSURIZED AT A SPEED OF APPROX.0.5mm/sec IN THE DIRECTION INDICATED BY THE ARROW UNTIL THE BENDING WIDTH REACHES 3mm AND HELD FOR 5 SECONDS. 	F±5ppm CI±15% or 5Ω
11	STICKING TENDENCY	A R0.5 JIG SHALL BE USED TO APPLY A 10N DEAD LOAD IN THE DIRECTION INDICATED BY THE ARROW TO THE ELEMENT AND RETAIN IT FOR 10 SECONDS. 	F±5ppm CI±15% or 5Ω