

Travelling Merchant: \_\_\_\_\_

# DATASHEET

Standard: DP9W2600001

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2017.06.15			

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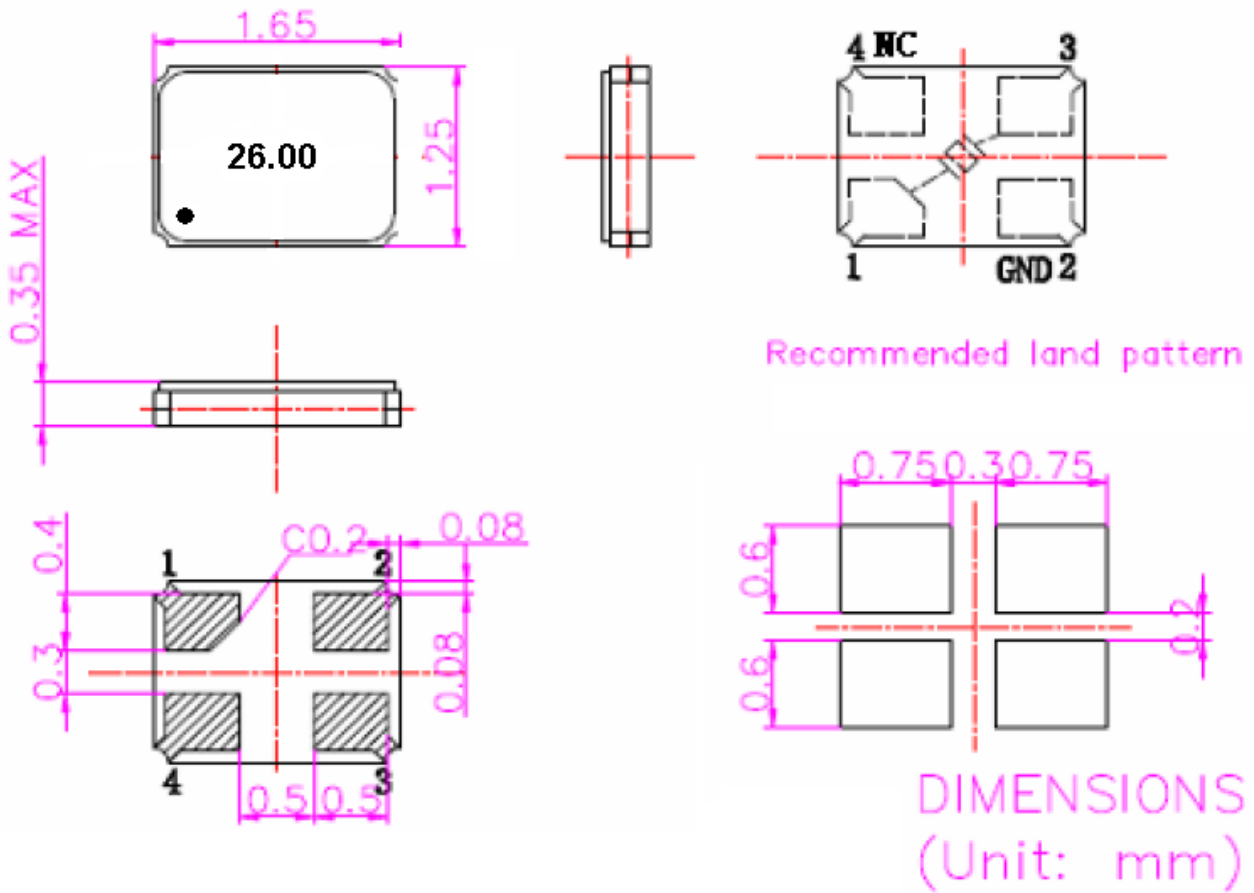
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**1、 Electrical Parameters**

MODEL: DP9W26000001							
No.	Parameters	SYM.	Electrical Spec.				Notes
			Min.	Typ.	Max.	Units	
1	Nominal Frequency	FL	26.00			MHz	
2	Oscillation Mode	-	Fundamental			-	
3	Load Capacitance	CL	9			pF	
4	Frequency Tolerance	-	-10		+10	ppm	at 25±2°C
5	Frequency Stability (Reference 25°C)	-	-15		+15	ppm	-20~75°C
6	Operating Temperature	-	-20	~	75	°C	
7	Aging	-	-5		+5	ppm	1st Year at 25±2°C
8	Drive Level	DL		100		uW	
9	Shunt Capacitance C0	C0			3	pF	
10	Effective Resistance Rr	ESR		-	100	Ω	
11	Insulation Resistance	IR	500			MΩ	at DC 100V
12	Reflow shift		-5		+5	ppm	at 265±2°C*10sec
13	Storage Temperature Range	-	-40	~	+85	°C	
14	ESD		HBM>2000V			°C	JESD22-A114-B

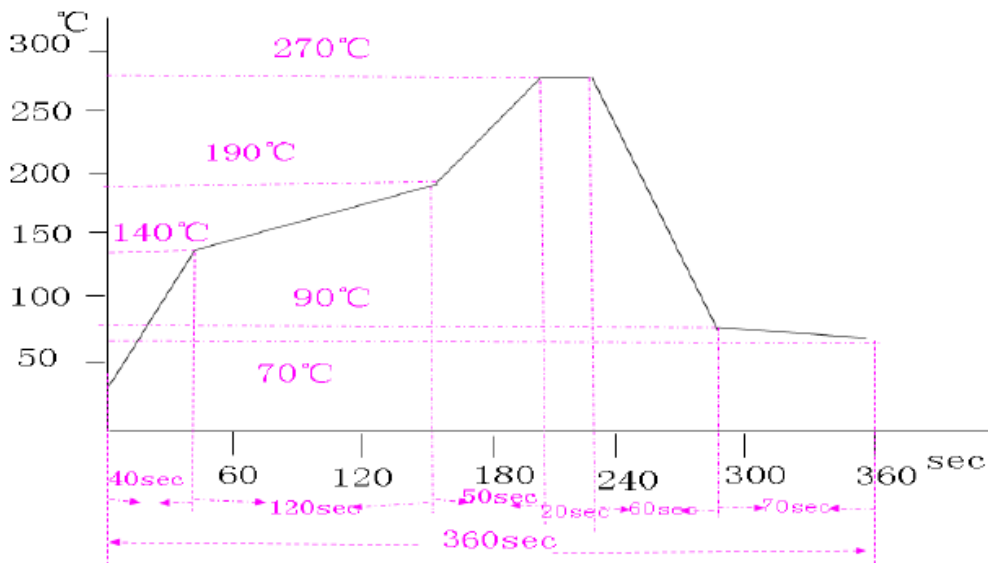


## 2、 Mechanical Structure(mm)



## 3、 Reflow Condition

Total time : 360 sec. Max.  
Solder melting point : 185 °C



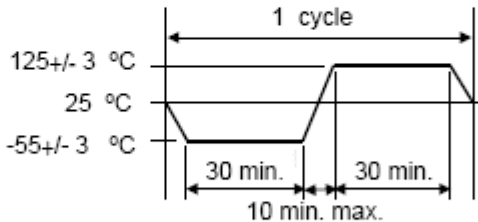


## 4 、 RELIABILITY TEST SPECIFICATION

### 1.MECHANICAL ENDURANCE

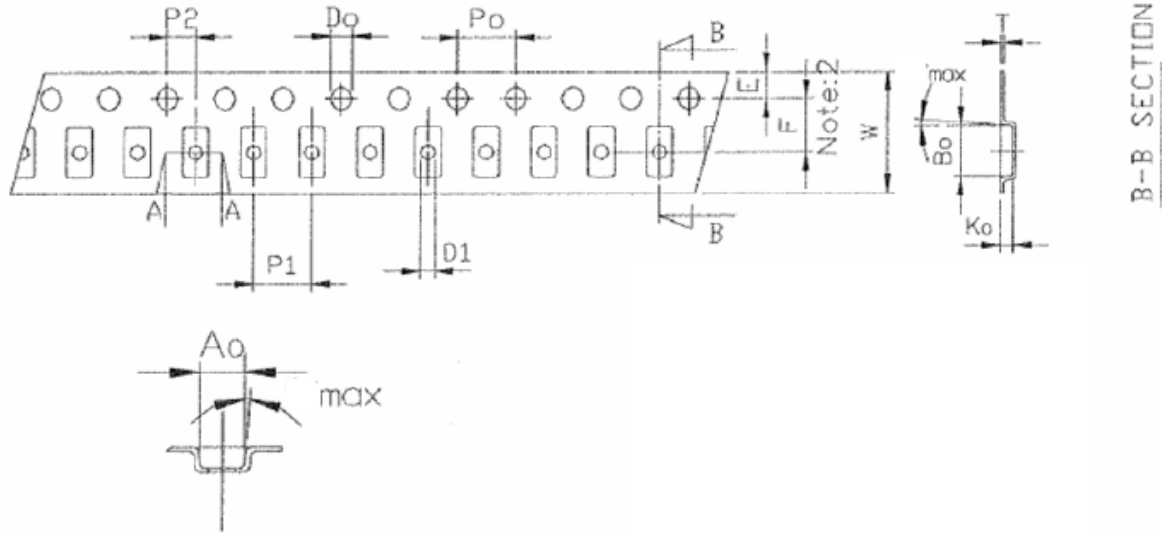
No.	Test Item	Test Methods	
1	Drop Test	150 cm height, fall freely onto stainless plate 3 times.	JIS C6701
2	Shock Test	150g/150cm Height,3times in the direction of $\pm x$ , $\pm y$ , $\pm z$ on concrete floor	IEC-68-02-27
3	Mechanical Shock	Device are shocked to half sine wave ( 1000 G ) three mutually pendicular axes each 3 times. 1.0m sec. duration time	MIL-STD-202F
4	Vibration	Frequency range 10 ~ 55 Hz Amplitude 1.52 mm Pendicular axes each test time 2 hours ( x,y,z Axis ) Total test time 6 hours	MIL-STD-883E
5	Gross Leak	Standard Sample For Automatic Gross Leak Detector Test Pressure 2kg/cm <sup>2</sup>	MIL-STD-883E
6	Fine Leak	Helium Bombing 4.5kgf/cm <sup>2</sup> for 2 hr	MIL-STD-883E
7	Solderability	Temperature 215 °C +/- 5 °C Immersing depth 0.5 mm minimum Immersion time 10 +/- 0.5 seconds Flux Rosin resin methyl alcohol solvent ( 1 : 4 )	MIL-STD-883E
8	Resistance To Soldering Heat	Pre-heat temperature 125 °C Pre-heat time 60 ~ 120 sec. Test temperature 260 +/- 5 °C Test time 5 +/- 1 sec.	MIL-STD-202F

### 2.ENVIRONMENTAL ENDURANCE

No.	Test Item	Test Methods	
9	High Temp. Storage	+ 125 °C +/- 3 °C for 500 +/- 12 hours	MIL-STD-883E
10	Low Temp. Storage	- 40 °C +/- 3 °C for 500 +/- 12 hours	
11	Thermal Shock	Total 100 cycles of the following temperature cycle 	MIL-STD-883E
12	High Temp&Homidity	85°C±3°C, RH 85%,500Hrs	JIS C5023
13	Pressure Cooker Storage	120 +/- 3°C, RH100%, 2 bar, for 240 hours	JIS C6701



### 5、 Package: Tape & Reel (mm)



Dimension PKG Type	Unit : mm						
	A0	B0	K0	T	W	E	F
1612(8mm)	1.45±0.1	1.85±0.1	0.45±0.10	0.25±0.05	8±0.3	1.75±0.1	3.50±0.1
	P1	P2	D1	D0	P0		
	4±0.1	2±0.1	0.6±0.1	1.55±0.05	4±0.1		

Standard Reel Quantity is 3,000 pcs per reel.