

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

# DATASHEET

Standard: DP8B32768

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2021.03.20			

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## 1、 Electrical Parameters

MODEL: DP8B32768							
No.	Parameters	SYM.	Electrical Spec.			Units	Notes
1	Nominal Frequency	FL	32.768			KHz	
2	Oscillation Mode	-	Fundamental			-	
3	Load Capacitance	CL	6	7	12.5	pF	
4	Frequency Tolerance	-	±20			×10 <sup>-6</sup>	at 25°C±3°C
5	Parabolic Coefficient	-	Max. -0.04			PPM/°C <sup>2</sup>	
6	Operating Temperature	-	-40~+85			°C	
7	Storage Temperature Range	-	-55~+105			°C	
8	Aging	-	±3			×10 <sup>-6</sup>	Per year
9	Drive Level	DL	0.1 uW ±20%(Max. 0.5)			uW	
10	Equivalent Series Resistance	Rr	Max. 80	Max. 80	Max. 90	KΩ	
11	Shunt Capacitance C0	C0	Typ. 1.3			pF	
12	Insulation Resistance	-	Min. 500			MΩ	at DC 100V
13	Specification Number	-	DP8B32 768003	DP8B32 768002	DP8B32 768001	-	Product Number for order
14	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.					
15	Moisture Sensitivity Level	Level 2					
16	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.					
17	Shock	100g; 6ms; half sine wave (3 times for each 3 directions X , Y , Z),IEC 68-2-27 Test Ea/Severity 50A.					



## 2、 Mechanical Structure(mm)

### 2.1. DIMENSIONS

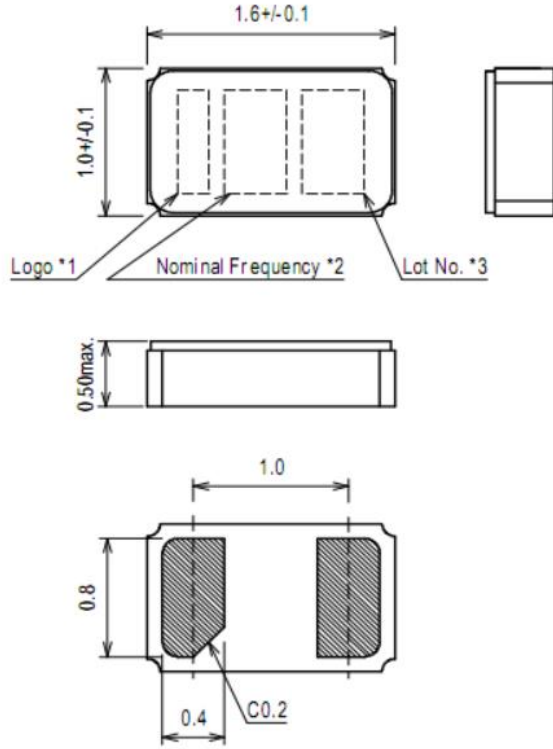


Fig.-1

unit : mm

Tolerance  $\pm 0.1$

Marking should be printed as follows:

Logo(\*1),Nominal Frequency(\*2),Lot No.(\*3)

\*1 Manufacturer logo.

\*2 Frequency Code: A 32.768KHz.

\*3 Lot Code

### 2.2. LAND PATTERN(REFERENCE)

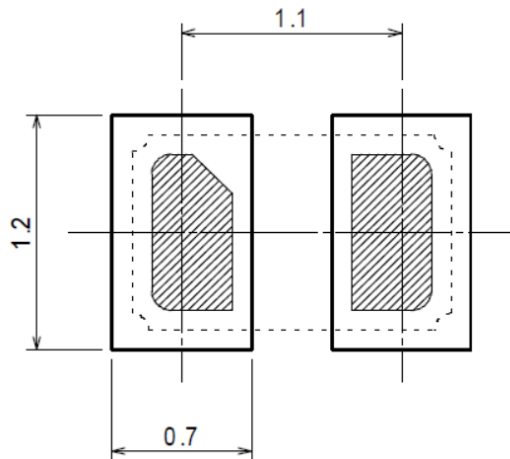






Table-1

unit:mm

Item		Mark	Dimensions / Angle	
Flange	Diameter	A	$\Phi 180 +0 -3.0$	
	Inside width	W1	$9.0 \pm 0.3$	
	Outside width	W2	$11.4 \pm 1.0$	
Center Core	Out Line diameter	B	$\Phi 60 +1.0 -0$	
	Center core slit	Width	F1	$3.0 \pm 0.2$
			F2	$4.0 \pm 0.2$
			F3	$5.0 \pm 0.2$
		Length	V	11.9
		Position	q	120 °
		Spindle diameter	C	$\Phi 13 \pm 0.2$
	key Seats	Width	E	$2.0 \pm 0.5$
		Length	U	$10.5 \pm 0.4$
		Position	q	120 °
Indication of type		Sticker label on one side of flange		