

Travelling Merchant: C167

DATASHEET

Standard: M936-G321-26.00MHz

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

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1. Electrical Parameters

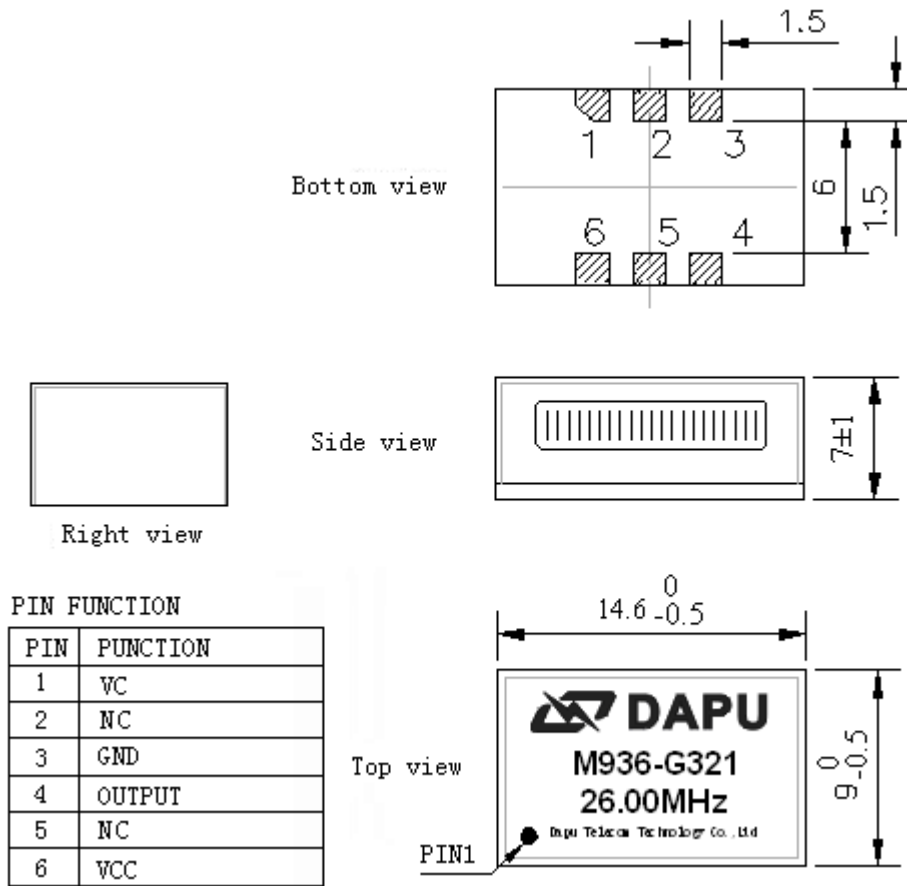
MODEL: M936-G321-26.00MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	26.00			MHz	
	Output Waveform	HCMOS				
	Output Low Voltage			0.4	V	$V_{cc}=5.0V, O_{load}=15\text{ pF}$
	Output High Voltage	2.4			V	$V_{cc}=5.0V, O_{load}=15\text{ pF}$
	Duty Cycle	45	50	55	%	
	Rise / Fall Time (10%~90%)		7	8	ns	@25°C
	Load	15			pF	
Frequency Stabilities	Frequency Tolerance vs. Operating Temperature Range	-0.05		+0.05	ppm	T_A varied from -30°C to 80°C, measurement referenced to frequency observed with $T_A = 25^\circ\text{C}, V_{cc}=5.0V, V_c=1.65V, O_{load}=15\text{ pF}$.
	Initial Frequency Tolerance	-0.2		+0.2	ppm	Measurement referenced to frequency observed with $T_A = 25^\circ\text{C}, V_{cc}=5.0V, V_c=1.65V$ and after 5 minutes of operation, within 30 days after ex-works.
	Frequency Tolerance vs. Supply Voltage	-0.1		+0.1	ppm	measurement referenced to frequency observed $T_A=25^\circ\text{C}, V_{cc}$ varied from 4.75V to 5.25V, $V_c=1.65V$ and $O_{Load}=15\text{ pF}$.
	Frequency Tolerance vs. Load	-0.1		+0.1	ppm	5% load change measurement referenced to frequency observed with $T_A=25^\circ\text{C}, V_{cc}=5.0V, V_c=1.65V, O_{Load}=15\text{ pF}$
	Aging Tolerance Per Day	-0.02		+0.02	ppm	$T_A=25^\circ\text{C}, V_{cc}=5.0V, V_c=1.65V$ and after 1h of operation.
	Aging Tolerance 1 Year	-1		+1	ppm	
	Aging Tolerance 10 Years	-3		+3	ppm	
Power Supply	Supply Voltage	4.75	5.0	5.25	V	
	Current Consumption			30	mA	@25°C, $V_{cc}=5.0V, V_c=1.65V, O_{load}=15\text{ pF}$.
Phase Noise	Phase Noise		-120		dBc/Hz	1KHz



Voltage Control Characteristics	Frequency Tuning Range			-5	ppm	V _c =0V. measurement referenced to V _c =1.65V
		-0.2		+0.2	ppm	V _c =1.65V. measurement referenced to exactly 26.00MHz
		+5			ppm	V _c =3.3V. measurement referenced to V _c =1.65V
	Linearity			10	%	
	Slope	Positive				
	Input Impedance	100				K Ohm
Environmental Conditions	Operable Temperature	-30		+80	°C	
	Storage Temperature	-40		+85	°C	
	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.				



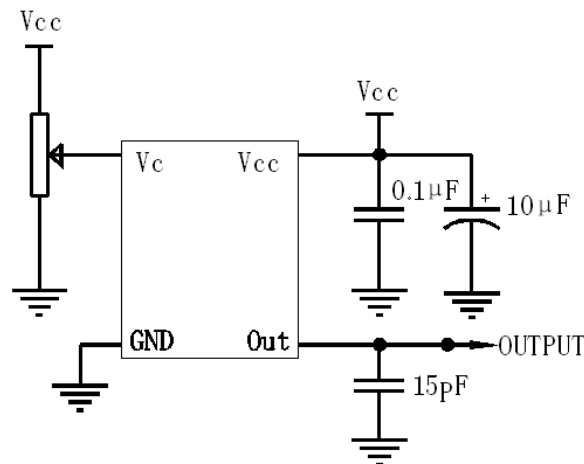
2. Mechanical Structure(mm)



Note1: Tolerance $\pm 0.2\text{mm}$ without mark

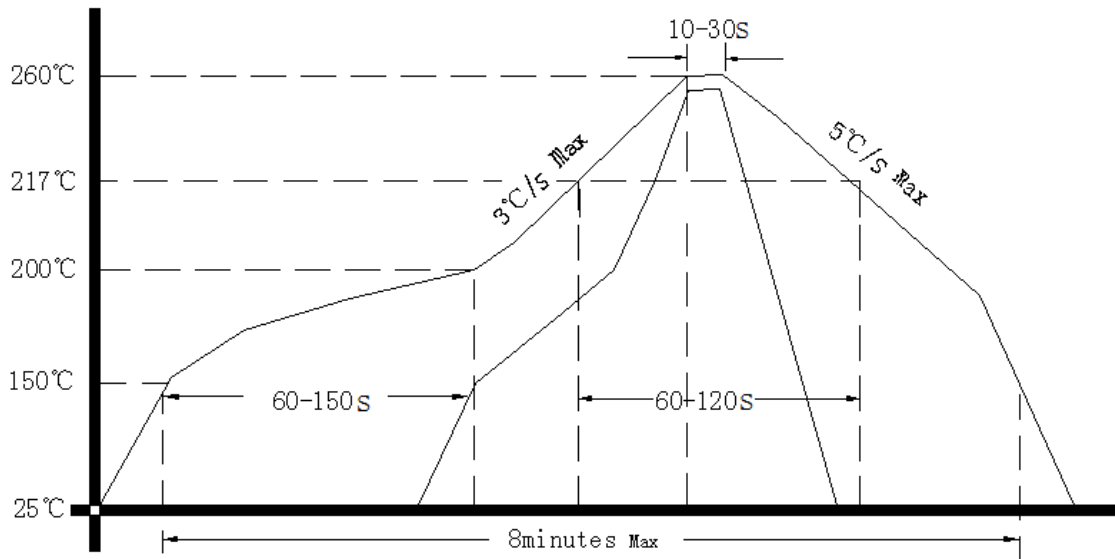
Note2: Referential Weight 3.8g

3. Test circuit





4、 Reflow Soldering Curve (RoHS)



5、 Package: Tape & Reel (mm)

