

Customer Code : \_\_\_\_\_

# DATASHEET

DAPU P/N: V936-D613-100.00MHz

Customer P/N: \_\_\_\_\_

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2019.02.25			

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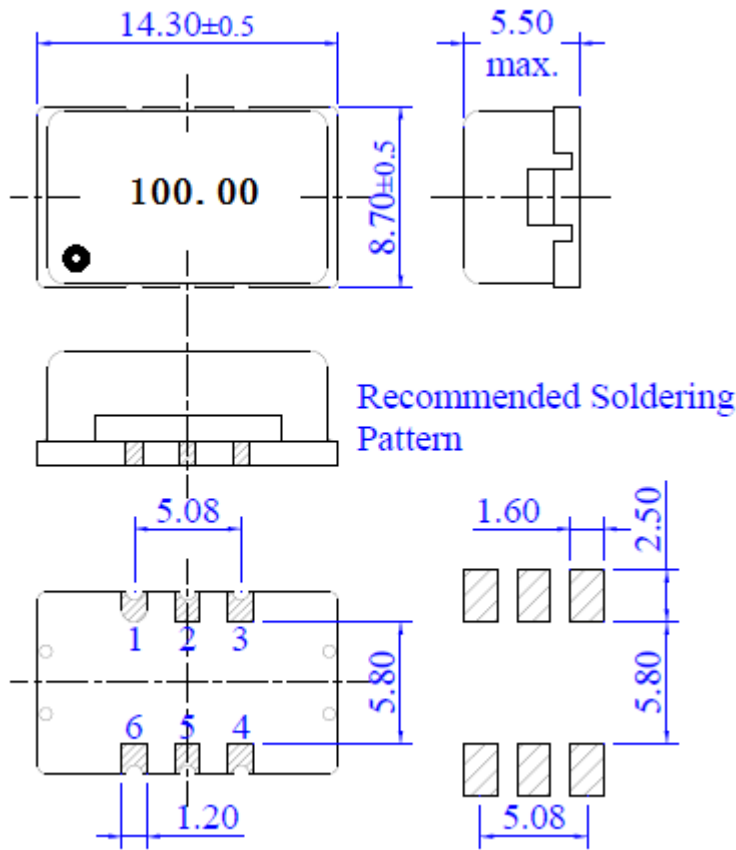
**1、 Electrical Parameters**

Parameters	SYM	Electrical Spec.				Notes
		Min.	Typ.	Max.	Units	
<b>Frequency Stabilities</b>						
Nominal Frequency	$F_N$	100.00			MHz	
Vs. operating temperature rang	$F_{STAB}$	-1.5		+1.5	$\times 10^{-6}$	
Reflow shift			$\pm 2.0$		$\times 10^{-6}$	
Vs. supply voltage change		-0.2		+0.2	$\times 10^{-6}$	
Vs. aging /1.year		-1		+1	$\times 10^{-6}$	
Vs. aging /10 year		-4		+4	$\times 10^{-6}$	
<b>RF Output</b>						
Output Waveform		LVPECL				
Load	$I_{OUT}$	50			$\Omega$	$V_{cc}=2.0V$
Output Low Voltage				1.68	V	
Output High Voltage		2.275			V	
Rise / Fall Time	$T_r / T_f$			1.0	ns	
Symmetry	SYM	45	~	55	%	@50%
Start up time				10	ms	
<b>Supply Voltage</b>						
Supply Voltage	$V_{CC}$	3.13	3.3	3.47	V	
Input Current	$I_{CC}$			65	mA	
<b>Control Voltage</b>						
Control Voltage Rang	$V_C$	0.3		3.3	V	$V_C=1.65V$
Frequency Tuning Range	PR	$\pm 5$	~		$\times 10^{-6}$	
Linearity	Lin			10	%	
Slope		Positive				
<b>Phase Noise</b>						
Phase Noise				-75	dBc/Hz	10Hz
				-105		100Hz
				-135		1KHz
				-150		10KHz
				-155		100KHz
				-155		1MHz



Environmental Conditions						
Operating Temperature	T <sub>OP</sub>	-55	~	85	°C	
Storage Temperature	T <sub>ST</sub>	-55	~	125	°C	
Vibration	MIL-STD-202F method 204, 35G, 50 to 2000Hz					
Shock	MIL-STD-202F method 213B, test condition: E, 1000G half-Sine wave					
Humidity	85% RH, +85 °C for 48 hours					
Solderability	MIL-STD-202F method 208E					
Fine leak / Gross leak	MIL-STD-883 method 1014, condition A / MIL-STD-883 method 1014, condition					
Resistance to solvent	MIL-STD-202 method 215					
Temperature cycling	MIL-STD-883 method 1010					
Reflow	+260 °C for 10 sec. 2X					

## 2、 Mechanical Structure(mm)



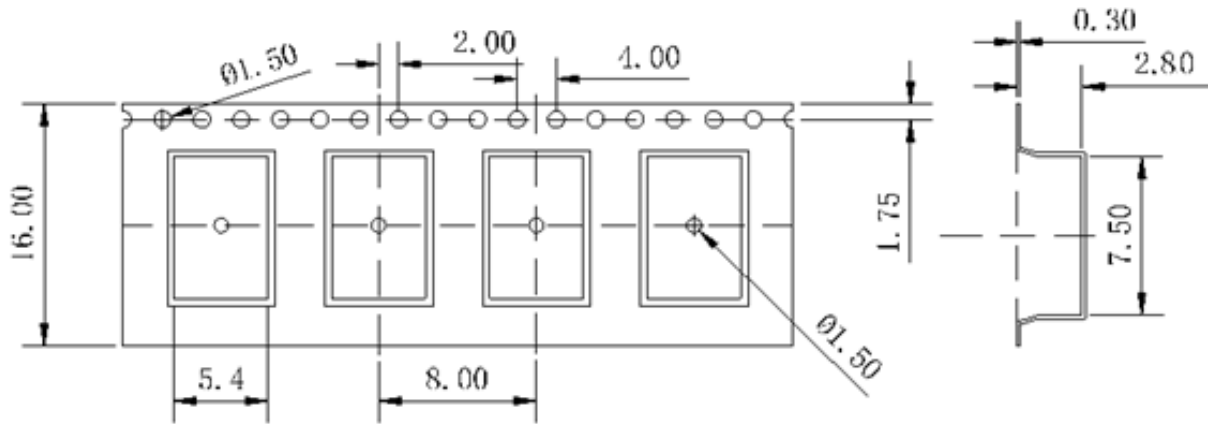
### Pin connections:

- #1: Control voltage
- #2: N/C
- #3: GND
- #4: Output
- #5: Complementary output
- #6: Vdd

**Note1:** Tolerance ±0.1mm without mark



### 3、 Package: Tape & Reel (mm)



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