

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

# DATASHEET

DAPU P/N : V936-D312-102.80MHz

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

DAPU			Customer Approval
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2023.05.22			

## Guangdong Dapu Telecom Technology Co.,Ltd

Building 5, No.24, Industrial East Road, Songshanhu Park, Dongguan, Guangdong, P.R. China

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



### Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	<i>Amway</i>	2023.05.22

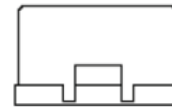
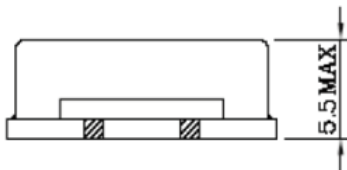
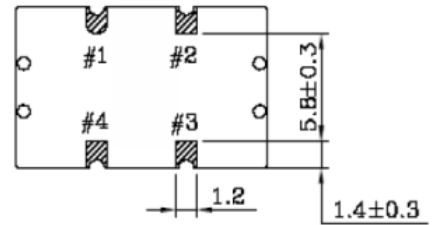
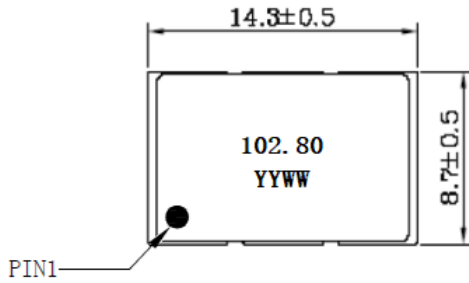


## 1、 Electrical Parameters

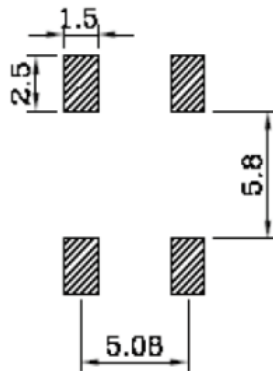
Parameters	SYM	Electrical Spec.				Notes
		Min.	Typ.	Max.	Units	
<b>Frequency Stabilities</b>						
Nominal Frequency	F <sub>N</sub>	102.80			MHz	
Frequency Stability		-20		+20	× 10 <sup>-6</sup>	T <sub>A</sub> varied from -40°C to 85°C
Frequency Tolerance		-10		+10	× 10 <sup>-6</sup>	@25°C
<b>RF Output</b>						
Output Waveform		CMOS				
Load	I <sub>OUT</sub>	15			pF	
High Levels	V <sub>OH</sub>	90%			V <sub>CC</sub>	
Low Levels	V <sub>OL</sub>			10%	V <sub>CC</sub>	
Rise / Fall Time	T <sub>r</sub> / T <sub>f</sub>			3	ns	10% - 90%
Symmetry	SYM	45	50	55	%	
Aging@1 year		-2		+2	× 10 <sup>-6</sup>	
<b>Supply Voltage</b>						
Supply Voltage	V <sub>CC</sub>	2.97	3.3	3.63	V	
Supply Current	I <sub>CC</sub>			35	mA	
<b>Control Voltage</b>						
Control Voltage		0	1.65	3.3	V	
Absolute Pull Range (APR)				±28	× 10 <sup>-6</sup>	Including Aging, tolerance and stability included.
Input Impedance		1000			Kohm	
Slope		Positive				
<b>Phase Noise</b>						
Jitter RMS (12KHz-20MHz)				100	fs	
Phase Noise				-82	dBc/Hz	10Hz
				-115		100Hz
				-138		1KHz
				-155		10KHz
				-160		100KHz
				-160		1MHz
<b>Environmental Conditions</b>						
Operating Temperature	T <sub>OP</sub>	-40	~	85	°C	
Storage Temperature	T <sub>ST</sub>	-55	~	125	°C	



## 2、 Mechanical Structure(mm)



### Recommended Land Pattern



Pin #	Functionality
1	Voltage Control
2	Ground
3	RF Output
4	Vdd

**Note1:** The “YY” representative: year, “WW” representative: week