

Travelling Merchant: _____

DATASHEET

Standard: **V756-D313-122.88MHz** P/N: **2PZ75YM12281**

Plot			The Label
Drew	Audited	Approved	Stamp, please! Thanks!
Date: 2021.01.20			

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Table of amendment

Version	Revision contents	Prepared by	Revised date
1.0	The first issued	<i>Amway</i>	2014.07.21
1.1	The “Start-up Time” “Frequency Tolerance vs. Supply Voltage” “Frequency Tolerance vs. Load” “Control Voltage” “ESD Level” “Mechanical Structure” changed	<i>Amway</i>	2020.05.13
1.2	The “Output Waveform”“Start-up Time” “Frequency Stabilities” “Mechanical Structure” changed	<i>Amway</i>	2021.01.20



1. Electrical Parameters

MODEL: V756-D313-122.88MHz						
Item	Description	Parameters			Unit	Test Condition
		Min.	Typ.	Max.		
Output	Frequency	122.88			MHz	
	Output Waveform	LVPECL				
	Output Low Voltage			1.8	V	V _{cc} =3.3V
	Output High Voltage	2.2			V	V _{cc} =3.3V
	Duty Cycle	40		60	%	@50%
	Rise / Fall Time (10%~90%)			0.5	ns	20%~80% output swing
	Load	50			Ohm	At V _{cc} -2.0V
	Start-up Time			10	ms	
Frequency Stabilities	APR	-30		+30	× 10 ⁻⁶	T _A varied from -40°C to 85°C, measurement referenced to frequency observed with T _A =25°C, V _{cc} =3.3V, V _c =1.65V, O _{load} =15pF, temperature variable speed less than 2°C per minute.
Power Supply	Current Consumption			65	mA	@25°C, V _{cc} =3.3V, V _c =1.65V, O _{load} =15pF.
	Input Low Voltage			0.99	V	V _{cc} =3.3V
	Input High Voltage	2.31			V	V _{cc} =3.3V
	Supply Voltage	3.13	3.3	3.47	V	
Phase Noise	Phase Noise		-75		dBc/Hz	10Hz
			-105			100Hz
			-129			1KHz
			-147			10KHz
			-151			100KHz
Environmental Conditions	Operable Temperature	-40		+85	°C	
	Storage Temperature	-55		+125	°C	
	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.				
	Moisture Sensitivity Level	Level 2.				
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)

