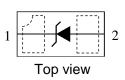


## PZ2FD3V3H

## Zener Voltage Regulators

#### Description

The PZ2FD3V3H is packaged in a DFN1006-2L surface mount package that has a power dissipation of 250mW. They are designed to provide voltage regulation protection and are especially attractive in situations where space is at a premium.



#### Feature

- Standard zener breakdown voltage range 3.3V
- DFN1006-2L package
- Steady state power rating of 250mW
- ESD rating of class 3(>16kV)per human body model
- RoHS compliant transient

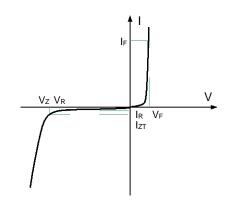
### **Mechanical Characteristics**

- Mounting position: Any
- Qualified max reflow temperature:260°C
- > Device meets MSL 1 requirements
- DFN1006-2L without plating

### **Applications**

- Cellular phones
- Hand held portables
- High density PC boards

## Electronics Parameter



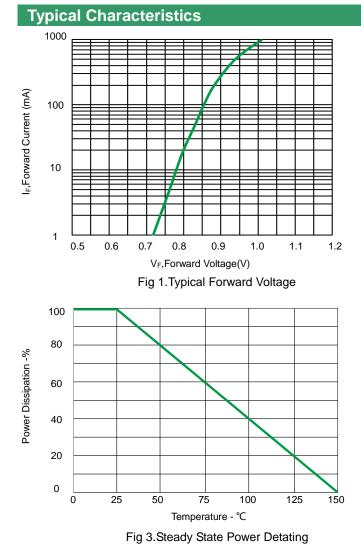
#### Electrical characteristics per line@ (unless otherwise specified)

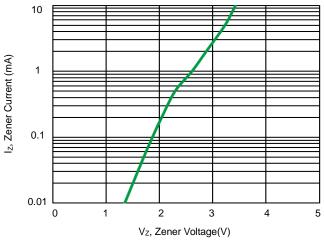
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Unit
Reverse Zener Voltage	Vz	Izt = 5mA	3.14	3.3	3.47	V
Maximum Zener Impedance	Z <sub>ZT</sub>	I <sub>ZT</sub> = 5mA	-	-	85	Ω
Maximum Zener Impedance	Zzĸ	Izк =1mA	-	-	600	Ω
Reverse Leakage Current	IR	V <sub>R</sub> =1V	-	-	2	μA
Forward Current	I <sub>F</sub>	-	-	-	300	mA
Forward Voltage	VF	I <sub>F</sub> = 10mA	-	0.8	-	V
Capacitance	С	V <sub>R</sub> =0V, f = 1MHz	-	125	-	pF

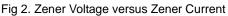
# Zener Voltage Regulators

### Absolute maximum rating@25℃

Rating	Symbol	Value	Unit
Total Device Dissipation FR-5 Board	PD	250	mW
Thermal Resistance, Junction-to-Ambient	Roja	300	°C/W
Storage Temperature	TJ,TSTG	-55 to +150	°C





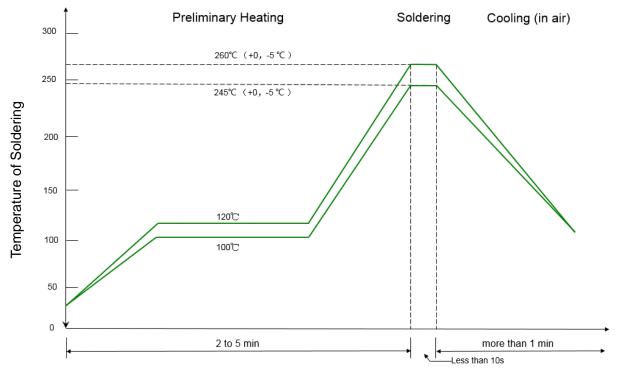


### PZ2FD3V3H

# Zener Voltage Regulators

### PZ2FD3V3H

## **Solder Reflow Recommendation**

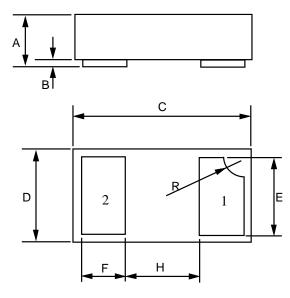


Remark: Pb free for 260°C; Pb for 245°C.

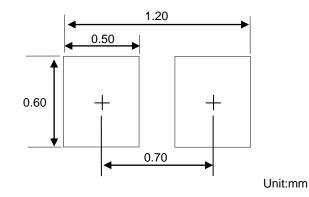
## PZ2FD3V3H

# Zener Voltage Regulators

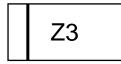
## Product dimension (DFN1006-2L)



Dim	Inches		Millimeters		
	MIN	MAX	MIN	МАХ	
А	0.013	0.020	0.34	0.50	
В	0.000	0.002	0.00	0.05	
С	0.037	0.043	0.95	1.080	
D	0.022	0.027	0.55	0.680	
E	0.016	0.024	0.40	0.60	
F	0.008	0.012	0.20	0.30	
н	0.015Typ.		0.40Тур.		
R	0.001	0.005	0.05	0.15	



## Marking information



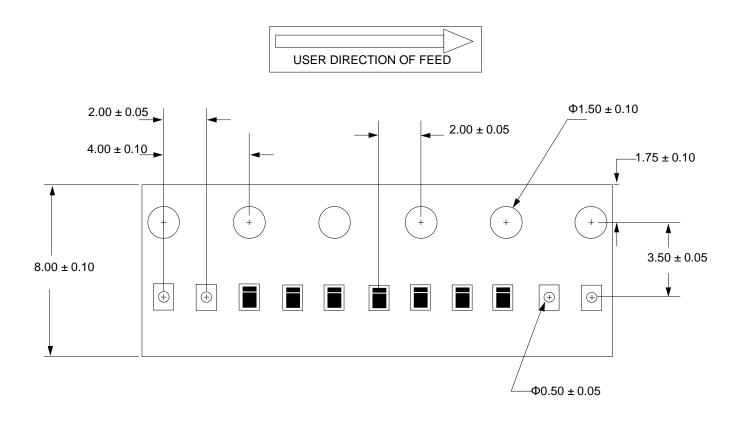
## Ordering information

Device	Package	Reel	MPQ
PZ2FD3V3H	DFN1006-2L (Pb-Free)	7"	10000 / Tape & Reel

## PZ2FD3V3H

# Zener Voltage Regulators

## Load with information



Unit: mm

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