# PZ3D15VH

## Zener Voltage Regulators

#### Description

The PZ3D15VH is packaged in a SOD-323 surface mount package that has a power dissipation of 500mW. 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 15V
- SOD-323 package
- Steady state power rating of 500mW
- ESD rating of class 3(>16kV)per human body model
- RoHS compliant transient

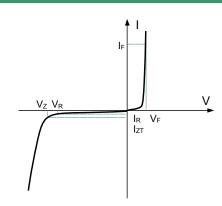
#### **Mechanical Characteristics**

- Lead finish:100% matte Sn(Tin)
- Mounting position: Any
- Qualified max reflow temperature:260°C
- Pure tin plating: 7 ~ 17 um
- ➢ Pin flatness:≤3mil

## Applications

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

#### **Electronics Parameter**



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

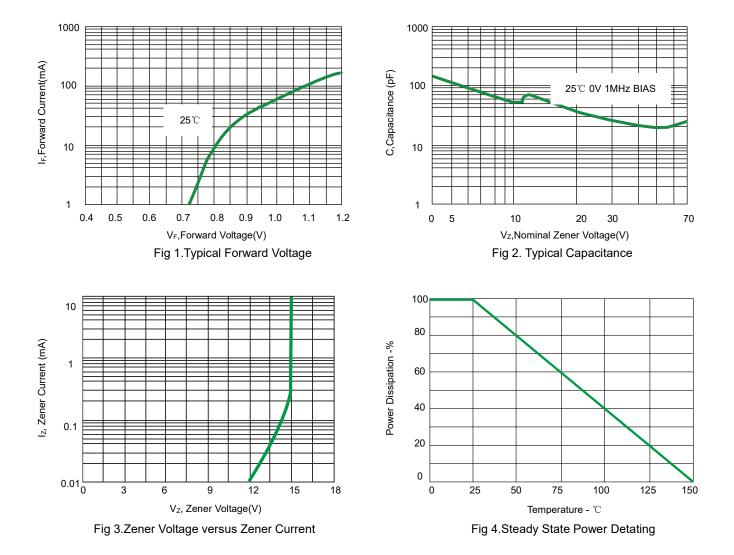
Parameter	Symbol	Conditions	Min.	Тур.	Max.	Units
Reverse Zener Voltage	Vz	I <sub>ZT</sub> = 5mA	-	15	-	V
Maximum Zener Impedance	Z <sub>ZT</sub>	I <sub>ZT</sub> = 5mA	-	-	25	Ω
Maximum Zener Impedance	Z <sub>ZK</sub>	I <sub>ZK</sub> =1mA	-	-	100	Ω
Reverse Leakage Current	I <sub>R</sub>	V <sub>R</sub> =12V	-	-	1	μA
Forward Voltage	VF	I <sub>F</sub> = 50mA	-	1	-	V
Capacitance	С	V <sub>R</sub> =0V, f = 1MHz	-	-	150	pF

# Zener Voltage Regulators

## Absolute maximum rating@25°C

Rating	Symbol	Value	Units
Total Device Dissipation FR-5 Board	PD	500	mW
Storage Temperature	TJ,Tstg	-65 to +150	Ĉ

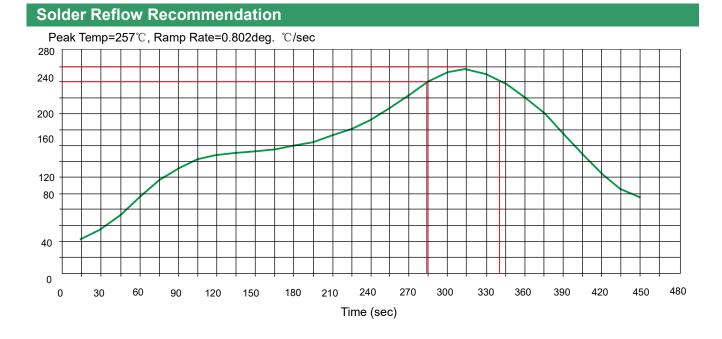
## **Typical Characteristics**



## PZ3D15VH

# Zener Voltage Regulators

## PZ3D15VH

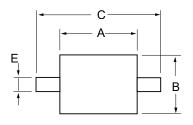


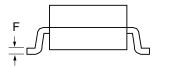
#### Rev.06.2

## PZ3D15VH

# Zener Voltage Regulators

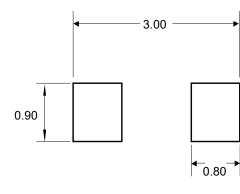
# Product dimension (SOD-323)







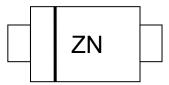
Dim	Incl	nes	Millimeters		
Dim	MIN	МАХ	MIN	MAX	
А	0.063	0.075	1.60	1.90	
В	0.045	0.057	1.15	1.45	
С	0.090	0.106	2.30	2.70	
D	0.031	0.043	0.80	1.00	
E	0.010	0.01	0.25	0.40	
F	0.004	0.007	0.09	0.18	
н	0.000	0.004	0.00	0.10	





Suggested PCB Layout

Marking information



## Ordering information

Device	Package	Reel	Shipping
PZ3D15VH	SOD-323 (Pb-Free)	7"	3000 / Tape & Reel

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