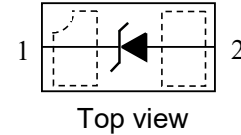


Description

The PZ2FD5V6H 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 5.6V
- DFN1006-2L package
- Steady state power rating of 250mW
- ESD rating of class 3(>16kV)per human body model
- RoHS compliant transient

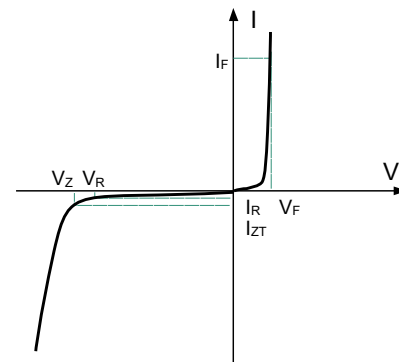
Applications

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

Mechanical Characteristics

- Lead finish:100% matte Sn(Tin)
- Mounting position: Any
- Qualified max reflow temperature:260°C
- Device meets MSL 1 requirements
- Pure tin plating: 7 ~ 17 μ m
- Pin flatness : ≤ 3 mil

Electronics Parameter



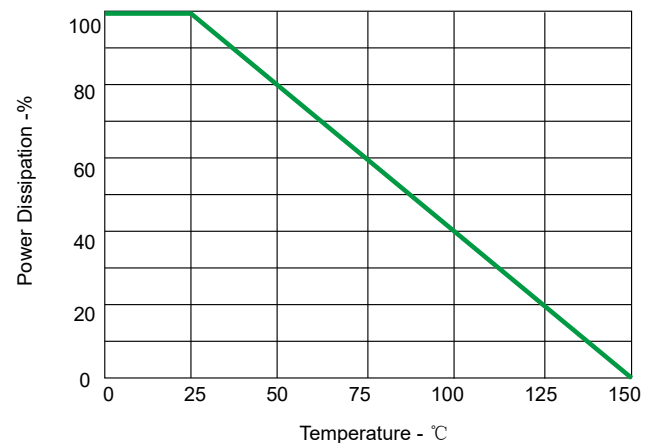
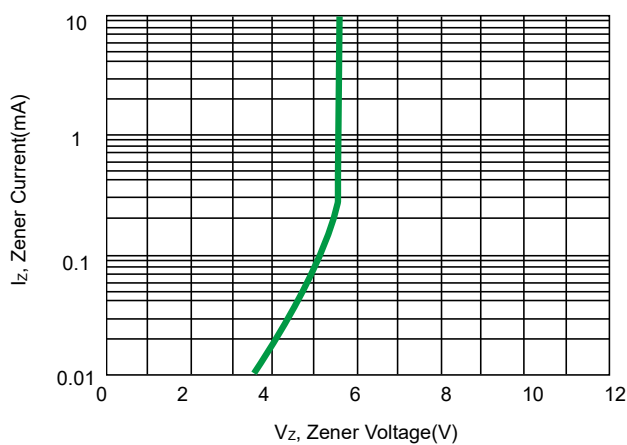
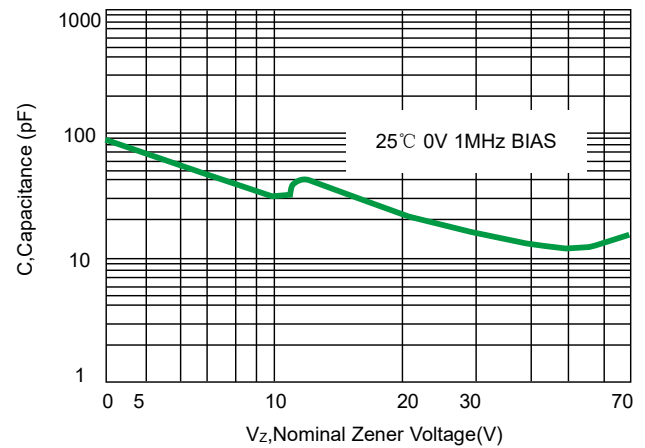
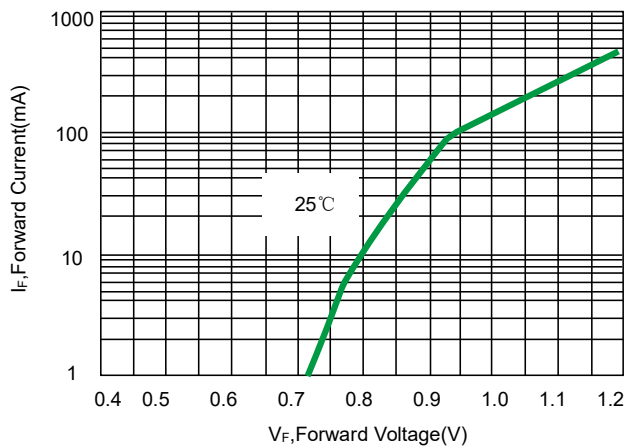
Electrical characteristics per line@ (unless otherwise specified)

Parameter	Symbol	Conditions	Min.	Typ.	Max.	Units
Reverse Zener Voltage	V_Z	$I_{ZT} = 5\text{mA}$	-	5.6	-	V
Maximum Zener Impedance	Z_{ZT}	$I_{ZT} = 5\text{mA}$	-	-	40	Ω
Maximum Zener Impedance	Z_{ZK}	$I_{ZK} = 0.5\text{mA}$	-	-	500	Ω
Reverse Leakage Current	I_R	$V_R = 2\text{V}$	-	-	1	μA
Forward Current	I_F				200	mA
Forward Voltage	V_F	$I_F = 10\text{mA}$	-	0.8	-	V
Capacitance	C	$V_R = 0\text{V}, f = 1\text{MHz}$	-	90	-	pF

Absolute maximum rating@25°C

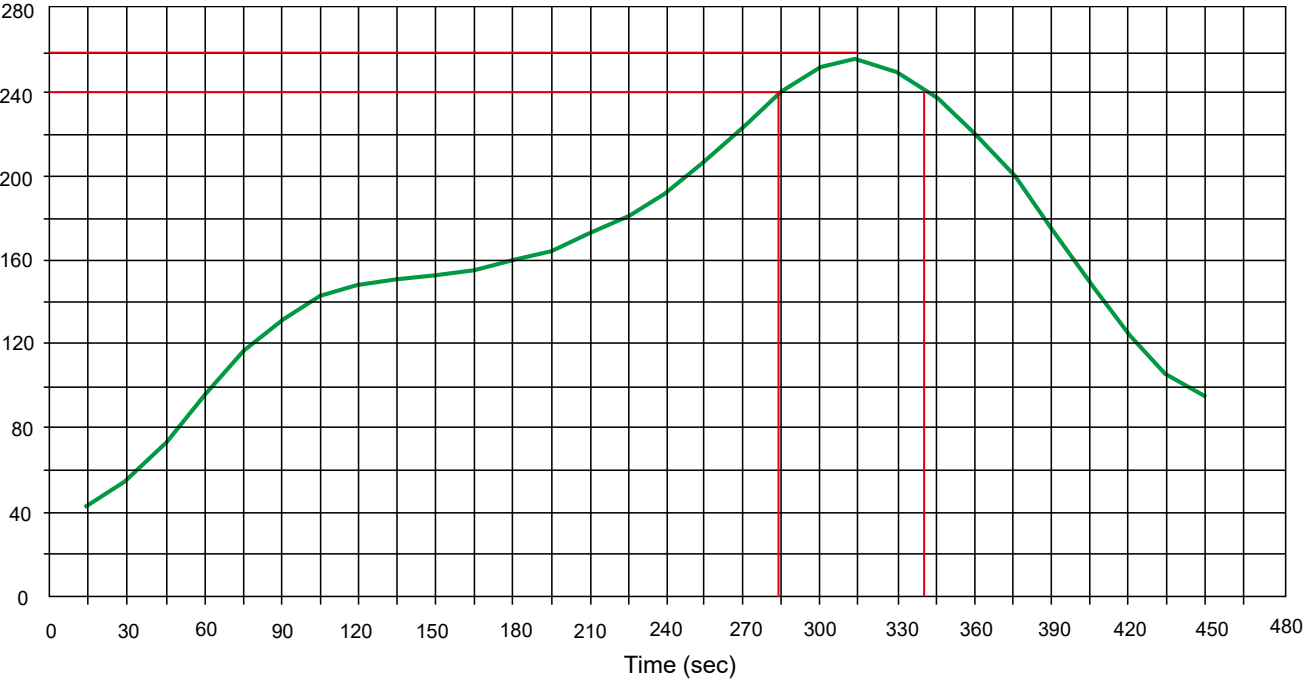
Rating	Symbol	Value	Units
Total Device Dissipation FR-5 Board	P_D	250	mW
Thermal Resistance, Junction-to-Ambient	$R_{\theta JA}$	300	°C/W
Storage Temperature	T_J, T_{STG}	-65 to +150	°C

Typical Characteristics

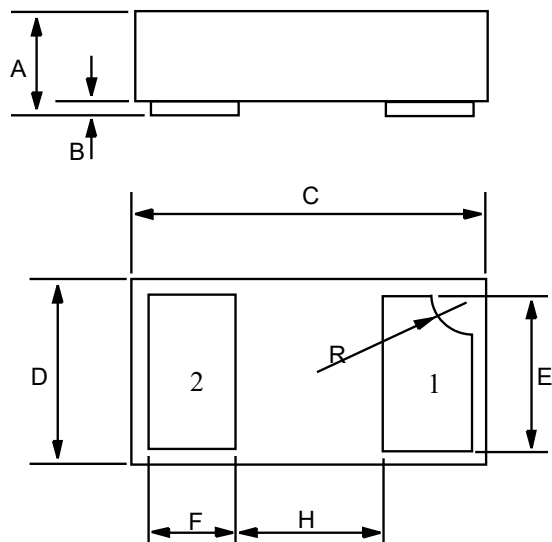


Solder Reflow Recommendation

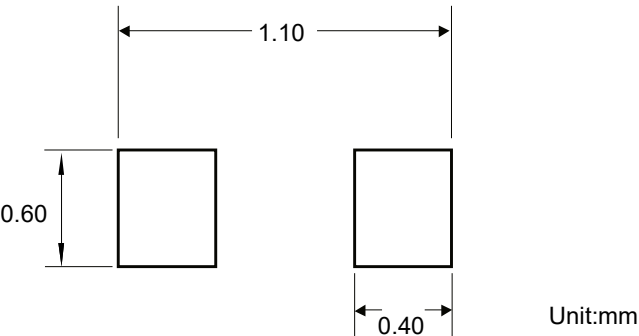
Peak Temp=257°C, Ramp Rate=0.802deg. °C/sec



Product dimension (DFN1006-2L)



Dim	Inches		Millimeters	
	MIN	MAX	MIN	MAX
A	0.013	0.020	0.34	0.50
B	0.000	0.002	0.00	0.05
C	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
H	0.015Typ.		0.40Typ.	
R	0.001	0.005	0.05	0.15



Unit:mm


Marking information



Ordering information

Device	Package	Reel	Shipping
PZ2FD5V6H	DFN1006-2L (Pb-Free)	13"	40000 / Tape & Reel


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